

WEST Search History for Application 10551698

Creation Date: 2011062522:42

Prior Art Searches

Query	DB	Op.	Plur.	Thes.	Date
(tissue growth) same guide	PGPB, USPT	ADJ	YES		07-14-2010
artificial nerve	PGPB, USPT	ADJ	YES		07-14-2010
biopolymer or polyglycolate or polylactate or polycaprylactone or hyaluronan or fibronectin or cellulose or chitosan or starch or lactone or galactone	PGPB, USPT	ADJ	YES		07-14-2010
(collagen or (matrix polymer)) same fiber	PGPB, USPT	ADJ	YES		07-14-2010
core	PGPB, USPT	ADJ	YES		07-14-2010
sheath\$8 or cover\$8 or \$6membrane\$9	PGPB, USPT	ADJ	YES		07-14-2010
mechanical same (tension or stretch or force)	PGPB, USPT	ADJ	YES		07-14-2010
biological cell	PGPB, USPT	ADJ	YES		07-14-2010
scaffold or support or matrix	PGPB, USPT	ADJ	YES		07-14-2010
implant	PGPB, USPT	ADJ	YES		07-14-2010
(mechanical or chemical) same (fix\$8 or immobiliz\$8 or attach\$8 or engage\$9)	PGPB, USPT	ADJ	YES		07-14-2010
(cell or fiber) same alignment	PGPB, USPT	ADJ	YES		07-14-2010
inner core	PGPB, USPT	ADJ	YES		07-14-2010
(entry or exit) same (holes or opening\$ or ports or pores)	PGPB, USPT	ADJ	YES		07-14-2010
(tissue same (neuronal or nerve)) same (growth or repair or reconstruct\$7)	PGPB, USPT	ADJ	YES		07-14-2010

((tissue same (neuronal or nerve)) same (growth or repair or reconstruct\$7)) same (bioreactor or fermenter or vessel or flask or jar)	PGPB, USPT	ADJ	YES		07-14-2010
((tissue growth) same guide) same (scaffold or support or matrix)	PGPB, USPT	ADJ	YES		07-14-2010
axon or neuron or (nerve cell) or (neural fibroblast) or (Schwann cell)	PGPB, USPT	ADJ	YES		07-14-2010
(inner core) same ((collagen or (matrix polymer)) same fiber)	PGPB, USPT	ADJ	YES		07-14-2010
(biological cell) same (axon or neuron or (nerve cell) or (neural fibroblast) or (Schwann cell))	PGPB, USPT	ADJ	YES		07-14-2010
(inner core) same ((core) or ((collagen or (matrix polymer)) same fiber))	PGPB, USPT	ADJ	YES		07-14-2010
((tissue growth) same guide same scaffold or support or matrix) same ((biological cell same axon or neuron or (nerve cell) or (neural fibroblast) or (Schwann cell)) or (inner core same (core or (collagen or (matrix polymer)) same fiber)))	PGPB, USPT	ADJ	YES		07-14-2010
(mechanical same (tension or stretch or force)) same ((biological cell same axon or neuron or (nerve cell) or (neural fibroblast) or (Schwann cell)) or (inner core same (core or (collagen or (matrix polymer)) same fiber)))	PGPB, USPT	ADJ	YES		07-14-2010
((tissue growth) same guide same scaffold or support or matrix) same (implant)	PGPB, USPT	ADJ	YES		07-14-2010
(mechanical same (tension or stretch or force)) same ((tissue growth) same guide same scaffold or support or matrix)	PGPB, USPT	ADJ	YES		07-14-2010
(mechanical same (tension or stretch or force)) same (implant)	PGPB, USPT	ADJ	YES		07-14-2010
(mechanical same (tension or stretch or force) same implant) same (inner core same (core or (collagen or (matrix polymer)) same fiber))	PGPB, USPT	ADJ	YES		07-14-2010
(mechanical same (tension or stretch or force) same implant) same (mechanical same (tension or stretch or force) same (biological cell same axon or neuron or (nerve cell) or (neural fibroblast) or (Schwann cell) or inner core same (core or (collagen or (matrix polymer)) same fiber)))	PGPB, USPT	ADJ	YES		07-14-2010
(mechanical same (tension or stretch or force) same implant same mechanical same (tension or stretch or force) same (biological cell same axon or neuron or	PGPB, USPT	ADJ	YES		07-14-2010

(nerve cell) or (neural fibroblast) or (Schwann cell) or inner core same (core or (collagen or (matrix polymer)) same fiber)) same (mechanical same (tension or stretch or force) same implant same inner core same (core or (collagen or (matrix polymer)) same fiber))					
(biopolymer or polyglycolate or polylactate or polycapryolactone or hyaluronan or fibronectin or cellulose or chitosan or starch or lactone or galactone) same (sheath\$8 or cover\$8 or \$6membrane\$9)	PGPB, USPT	ADJ	YES		07-14-2010
(biopolymer or polyglycolate or polylactate or polycapryolactone or hyaluronan or fibronectin or cellulose or chitosan or starch or lactone or galactone same sheath\$8 or cover\$8 or \$6membrane\$9) same (axon or neuron or (nerve cell) or (neural fibroblast) or (Schwann cell))	PGPB, USPT	ADJ	YES		07-14-2010
((tissue growth) same guide) same (implant)) same (sheath\$8 or cover\$8 or \$6membrane\$9)	PGPB, USPT	ADJ	YES		07-14-2010
(biopolymer or polyglycolate or polylactate or polycapryolactone or hyaluronan or fibronectin or cellulose or chitosan or starch or lactone or galactone) same ((tissue growth) same guide)	PGPB, USPT	ADJ	YES		07-14-2010
(biopolymer or polyglycolate or polylactate or polycapryolactone or hyaluronan or fibronectin or cellulose or chitosan or starch or lactone or galactone) same (scaffold or support or matrix)	PGPB, USPT	ADJ	YES		07-14-2010
(biopolymer or polyglycolate or polylactate or polycapryolactone or hyaluronan or fibronectin or cellulose or chitosan or starch or lactone or galactone) same (implant)	PGPB, USPT	ADJ	YES		07-14-2010
(biopolymer or polyglycolate or polylactate or polycapryolactone or hyaluronan or fibronectin or cellulose or chitosan or starch or lactone or galactone same implant) same (biopolymer or polyglycolate or polylactate or polycapryolactone or hyaluronan or fibronectin or cellulose or chitosan or starch or lactone or galactone same implant)	PGPB, USPT	ADJ	YES		07-14-2010
(biopolymer or polyglycolate or polylactate or polycapryolactone or hyaluronan or fibronectin or cellulose or chitosan or starch or lactone or galactone same implant) same (biopolymer or polyglycolate or polylactate or polycapryolactone or hyaluronan or fibronectin or cellulose or chitosan or starch or lactone or galactone same scaffold or support or matrix)	PGPB, USPT	ADJ	YES		07-14-2010
((collagen or (matrix polymer)) same fiber) same (core)	PGPB,	ADJ	YES		07-14-2010

	USPT				
((collagen or (matrix polymer)) same fiber same core) same (inner core)	PGPB, USPT	ADJ	YES		07-14-2010
((collagen or (matrix polymer)) same fiber same core same inner core) same (biopolymer or polyglycolate or polylactate or polycapryolactone or hyaluronan or fibronectin or cellulose or chitosan or starch or lactone or galactone)	PGPB, USPT	ADJ	YES		07-14-2010
(axon or neuron or (nerve cell) or (neural fibroblast) or (Schwann cell)) same (inner core)	PGPB, USPT	ADJ	YES		07-14-2010
(inner core) same ((collagen or (matrix polymer)) same fiber)	PGPB, USPT	ADJ	YES		07-14-2010
(inner core same (collagen or (matrix polymer)) same fiber) same ((collagen or (matrix polymer)) same fiber same core same inner core)	PGPB, USPT	ADJ	YES		07-14-2010
(inner core same (collagen or (matrix polymer)) same fiber same (collagen or (matrix polymer)) same fiber same core same inner core) same (biopolymer or polyglycolate or polylactate or polycapryolactone or hyaluronan or fibronectin or cellulose or chitosan or starch or lactone or galactone same scaffold or support or matrix)	PGPB, USPT	ADJ	YES		07-14-2010
(inner core same (collagen or (matrix polymer)) same fiber same (collagen or (matrix polymer)) same fiber same core same inner core) same (biopolymer or polyglycolate or polylactate or polycapryolactone or hyaluronan or fibronectin or cellulose or chitosan or starch or lactone or galactone same implant)	PGPB, USPT	ADJ	YES		07-14-2010
(inner core same (collagen or (matrix polymer)) same fiber same (collagen or (matrix polymer)) same fiber same core same inner core) same (biopolymer or polyglycolate or polylactate or polycapryolactone or hyaluronan or fibronectin or cellulose or chitosan or starch or lactone or galactone same implant same biopolymer or polyglycolate or polylactate or polycapryolactone or hyaluronan or fibronectin or cellulose or chitosan or starch or lactone or galactone same implant)	PGPB, USPT	ADJ	YES		07-14-2010
(inner core same (collagen or (matrix polymer)) same fiber same (collagen or (matrix polymer)) same fiber same core same inner core) same (biopolymer or polyglycolate or polylactate or polycapryolactone or hyaluronan or fibronectin or cellulose or chitosan or starch or lactone or galactone same implant same	PGPB, USPT	ADJ	YES		07-14-2010

biopolymer or polyglycolate or polylactate or polycaprylactone or hyaluronan or fibronectin or cellulose or chitosan or starch or lactone or galactone same scaffold or support or matrix)					
(inner core same (collagen or (matrix polymer)) same fiber same (collagen or (matrix polymer)) same fiber same core same inner core) same ((collagen or (matrix polymer)) same fiber same core)	PGPB, USPT	ADJ	YES		07-14-2010
(biological cell) same (inner core)	PGPB, USPT	ADJ	YES		07-14-2010
(biological cell same inner core) and (biopolymer or polyglycolate or polylactate or polycaprylactone or hyaluronan or fibronectin or cellulose or chitosan or starch or lactone or galactone same sheath\$8 or cover\$8 or \$6membrane\$9)	PGPB, USPT	ADJ	YES		07-14-2010
(inner core same (collagen or (matrix polymer)) same fiber same (collagen or (matrix polymer)) same fiber same core same inner core same (collagen or (matrix polymer)) same fiber same core) and (mechanical same (tension or stretch or force))	PGPB, USPT	ADJ	YES		07-14-2010
(axon or neuron or (nerve cell) or (neural fibroblast) or (Schwann cell) same inner core) and ((collagen or (matrix polymer)) same fiber same core same inner core)	PGPB, USPT	ADJ	YES		07-14-2010
(axon or neuron or (nerve cell) or (neural fibroblast) or (Schwann cell) same inner core) and ((collagen or (matrix polymer)) same fiber)	PGPB, USPT	ADJ	YES		07-14-2010
(inner core same (collagen or (matrix polymer)) same fiber same (collagen or (matrix polymer)) same fiber same core same inner core same (collagen or (matrix polymer)) same fiber same core and mechanical same (tension or stretch or force)) and (axon or neuron or (nerve cell) or (neural fibroblast) or (Schwann cell) same inner core and (collagen or (matrix polymer)) same fiber same core same inner core)	PGPB, USPT	ADJ	YES		07-14-2010
(inner core same (collagen or (matrix polymer)) same fiber same (collagen or (matrix polymer)) same fiber same core same inner core same (collagen or (matrix polymer)) same fiber same core and mechanical same (tension or stretch or force) and axon or neuron or (nerve cell) or (neural fibroblast) or (Schwann cell) same inner core and (collagen or (matrix polymer)) same fiber same core same inner core) and (axon or neuron or (nerve cell) or (neural fibroblast) or (Schwann cell) same inner core and (collagen or (matrix polymer)) same fiber	PGPB, USPT	ADJ	YES		07-14-2010

)					
((tissue growth) same guide) same (artificial nerve)	PGPB, USPT	ADJ	YES		07-14-2010
((tissue growth) same guide) and (artificial nerve)	PGPB, USPT	ADJ	YES		07-14-2010
((tissue growth) same guide) and (biopolymer or polyglycolate or polylactate or polycapryolactone or hyaluronan or fibronectin or cellulose or chitosan or starch or lactone or galactone)	PGPB, USPT	ADJ	YES		07-14-2010
((tissue growth) same guide and biopolymer or polyglycolate or polylactate or polycapryolactone or hyaluronan or fibronectin or cellulose or chitosan or starch or lactone or galactone) and ((collagen or (matrix polymer)) same fiber)	PGPB, USPT	ADJ	YES		07-14-2010
((tissue growth) same guide and biopolymer or polyglycolate or polylactate or polycapryolactone or hyaluronan or fibronectin or cellulose or chitosan or starch or lactone or galactone and (collagen or (matrix polymer)) same fiber) and (core)	PGPB, USPT	ADJ	YES		07-14-2010
((tissue growth) same guide and biopolymer or polyglycolate or polylactate or polycapryolactone or hyaluronan or fibronectin or cellulose or chitosan or starch or lactone or galactone and (collagen or (matrix polymer)) same fiber and core) and (sheath\$8 or cover\$8 or \$6membrane\$9)	PGPB, USPT	ADJ	YES		07-14-2010
((tissue growth) same guide and biopolymer or polyglycolate or polylactate or polycapryolactone or hyaluronan or fibronectin or cellulose or chitosan or starch or lactone or galactone and (collagen or (matrix polymer)) same fiber and core and sheath\$8 or cover\$8 or \$6membrane\$9) and (mechanical same (tension or stretch or force))	PGPB, USPT	ADJ	YES		07-14-2010
((tissue growth) same guide and biopolymer or polyglycolate or polylactate or polycapryolactone or hyaluronan or fibronectin or cellulose or chitosan or starch or lactone or galactone and (collagen or (matrix polymer)) same fiber and core and sheath\$8 or cover\$8 or \$6membrane\$9 and mechanical same (tension or stretch or force)) and (biological cell)	PGPB, USPT	ADJ	YES		07-14-2010
((tissue growth) same guide and biopolymer or polyglycolate or polylactate or polycapryolactone or hyaluronan or fibronectin or cellulose or chitosan or starch or lactone or galactone and (collagen or (matrix polymer)) same fiber and core and sheath\$8 or cover\$8	PGPB, USPT	ADJ	YES		07-14-2010

or \$6membrane\$9 and mechanical same (tension or stretch or force)) and (scaffold or support or matrix)					
((tissue growth) same guide and biopolymer or polyglycolate or polylactate or polycapryolactone or hyaluronan or fibronectin or cellulose or chitosan or starch or lactone or galactone and (collagen or (matrix polymer)) same fiber and core and sheath\$8 or cover\$8 or \$6membrane\$9 and mechanical same (tension or stretch or force) and scaffold or support or matrix) and (implant)	PGPB, USPT	ADJ	YES		07-14-2010
((tissue growth) same guide and biopolymer or polyglycolate or polylactate or polycapryolactone or hyaluronan or fibronectin or cellulose or chitosan or starch or lactone or galactone and (collagen or (matrix polymer)) same fiber and core and sheath\$8 or cover\$8 or \$6membrane\$9 and mechanical same (tension or stretch or force) and scaffold or support or matrix and implant) and ((mechanical or chemical) same (fix\$8 or immobiliz\$8 or attach\$8 or engage\$9))	PGPB, USPT	ADJ	YES		07-14-2010
((tissue growth) same guide and biopolymer or polyglycolate or polylactate or polycapryolactone or hyaluronan or fibronectin or cellulose or chitosan or starch or lactone or galactone and (collagen or (matrix polymer)) same fiber and core and sheath\$8 or cover\$8 or \$6membrane\$9 and mechanical same (tension or stretch or force) and scaffold or support or matrix and implant and (mechanical or chemical) same (fix\$8 or immobiliz\$8 or attach\$8 or engage\$9)) and ((cell or fiber) same alignment)	PGPB, USPT	ADJ	YES		07-14-2010
((tissue growth) same guide and biopolymer or polyglycolate or polylactate or polycapryolactone or hyaluronan or fibronectin or cellulose or chitosan or starch or lactone or galactone and (collagen or (matrix polymer)) same fiber and core and sheath\$8 or cover\$8 or \$6membrane\$9 and mechanical same (tension or stretch or force) and scaffold or support or matrix and implant and (mechanical or chemical) same (fix\$8 or immobiliz\$8 or attach\$8 or engage\$9) and (cell or fiber) same alignment) and (inner core)	PGPB, USPT	ADJ	YES		07-14-2010
((tissue growth) same guide and biopolymer or polyglycolate or polylactate or polycapryolactone or hyaluronan or fibronectin or cellulose or chitosan or starch or lactone or galactone and (collagen or (matrix polymer)) same fiber and core and sheath\$8 or cover\$8 or \$6membrane\$9 and mechanical same (tension or stretch or force) and scaffold or support or matrix and implant and (mechanical or chemical) same (fix\$8 or	PGPB, USPT	ADJ	YES		07-14-2010

immobiliz\$8 or attach\$8 or engage\$9) and (cell or fiber) same alignment and inner core) and ((entry or exit) same (holes or opening\$ or ports or pores))					
((tissue growth) same guide and biopolymer or polyglycolate or polylactate or polycapryolactone or hyaluronan or fibronectin or cellulose or chitosan or starch or lactone or galactone and (collagen or (matrix polymer)) same fiber and core and sheath\$8 or cover\$8 or \$6membrane\$9 and mechanical same (tension or stretch or force) and scaffold or support or matrix and implant and (mechanical or chemical) same (fix\$8 or immobiliz\$8 or attach\$8 or engage\$9) and (cell or fiber) same alignment and inner core and (entry or exit) same (holes or opening\$ or ports or pores)) and ((tissue same (neuronal or nerve)) same (growth or repair or reconstruct\$7))	PGPB, USPT	ADJ	YES		07-14-2010
((tissue growth) same guide and biopolymer or polyglycolate or polylactate or polycapryolactone or hyaluronan or fibronectin or cellulose or chitosan or starch or lactone or galactone and (collagen or (matrix polymer)) same fiber and core and sheath\$8 or cover\$8 or \$6membrane\$9 and mechanical same (tension or stretch or force) and scaffold or support or matrix and implant and (mechanical or chemical) same (fix\$8 or immobiliz\$8 or attach\$8 or engage\$9) and (cell or fiber) same alignment and inner core and (entry or exit) same (holes or opening\$ or ports or pores) and (tissue same (neuronal or nerve)) same (growth or repair or reconstruct\$7)) and (((tissue same (neuronal or nerve)) same (growth or repair or reconstruct\$7)) same (bioreactor or fermenter or vessel or flask or jar))	PGPB, USPT	ADJ	YES		07-14-2010
axon or neuron or (nerve cell) or (neural fibroblast) or (Schwann cell)	USOC, EPAB, JPAB, DWPI	ADJ	YES		07-14-2010
((tissue AND (neuronal or nerve)) AND (growth or repair or reconstruct\$7)) AND (bioreactor or fermenter or vessel or flask or jar)	USOC, EPAB, JPAB, DWPI	ADJ	YES		07-14-2010
(tissue AND (neuronal or nerve)) AND(growth or repair or reconstruct\$7)	USOC, EPAB, JPAB, DWPI	ADJ	YES		07-14-2010
((tissue growth) AND guide) OR SCAFFOLD OR IMPLANT OR DEVICE OR SUPPORT OR MATRIX	USOC, EPAB, JPAB,	ADJ	YES		07-14-2010

	DWPI				
(((tissue AND (neuronal or nerve)) AND (growth or repair or reconstruct\$7)) AND (bioreactor or fermenter or vessel or flask or jar)) OR (((tissue growth) AND guide) OR SCAFFOLD OR IMPLANT OR DEVICE OR SUPPORT OR MATRIX)) AND (CORE AND (collagen or (matrix polymer)) AND fiber)	USOC, EPAB, JPAB, DWPI	ADJ	YES		07-14-2010
(((((tissue AND (neuronal or nerve)) AND (growth or repair or reconstruct\$7)) AND (bioreactor or fermenter or vessel or flask or jar) OR ((tissue growth) AND guide) OR SCAFFOLD OR IMPLANT OR DEVICE OR SUPPORT OR MATRIX) AND (CORE AND (collagen or (matrix polymer)) AND fiber)) AND (axon or neuron or (nerve cell) or (neural fibroblast) or (Schwann cell))	USOC, EPAB, JPAB, DWPI	ADJ	YES		07-14-2010
(entry or exit) AND (holes or opening\$ or ports or pores)	USOC, EPAB, JPAB, DWPI	ADJ	YES		07-14-2010
(sheath\$8 or cover\$8 or \$6membrane\$9) AND (biopolymer or polyglycolate or polylactate or polycapryolactone or hyaluronan or fibronectin or cellulose or chitosan or starch or lactone or galactone)	USOC, EPAB, JPAB, DWPI	ADJ	YES		07-14-2010
((sheath\$8 or cover\$8 or \$6membrane\$9) AND (biopolymer or polyglycolate or polylactate or polycapryolactone or hyaluronan or fibronectin or cellulose or chitosan or starch or lactone or galactone)) AND (((tissue AND (neuronal or nerve)) AND (growth or repair or reconstruct\$7)) AND (bioreactor or fermenter or vessel or flask or jar) OR ((tissue growth) AND guide) OR SCAFFOLD OR IMPLANT OR DEVICE OR SUPPORT OR MATRIX) AND (CORE AND (collagen or (matrix polymer)) AND fiber) AND axon or neuron or (nerve cell) or (neural fibroblast) or (Schwann cell))	USOC, EPAB, JPAB, DWPI	ADJ	YES		07-14-2010
((sheath\$8 or cover\$8 or \$6membrane\$9) AND (biopolymer or polyglycolate or polylactate or polycapryolactone or hyaluronan or fibronectin or cellulose or chitosan or starch or lactone or galactone) AND (((tissue AND (neuronal or nerve)) AND (growth or repair or reconstruct\$7)) AND (bioreactor or fermenter or vessel or flask or jar) OR ((tissue growth) AND guide) OR SCAFFOLD OR IMPLANT OR DEVICE OR SUPPORT OR MATRIX) AND (CORE AND (collagen or (matrix polymer)) AND fiber) AND axon or neuron or (nerve cell) or (neural fibroblast) or (Schwann cell)) AND ((entry or exit) AND (holes or	USOC, EPAB, JPAB, DWPI	ADJ	YES		07-14-2010

opening\$ or ports or pores))					
(mechanical or chemical) AND(fix\$8 or immobiliz\$8 or attach\$8 or engage\$9)	USOC, EPAB, JPAB, DWPI	ADJ	YES		07-14-2010
((mechanical or chemical) AND(fix\$8 or immobiliz\$8 or attach\$8 or engage\$9)) AND ((sheath\$8 or cover\$8 or \$membrane\$9) AND (biopolymer or polyglycolate or polylactate or polycaprylactone or hyaluronan or fibronectin or cellulose or chitosan or starch or lactone or galactone) AND (((tissue AND (neuronal or nerve)) AND (growth or repair or reconstruct\$7)) AND (bioreactor or fermenter or vessel or flask or jar) OR ((tissue growth) AND guide) OR SCAFFOLD OR IMPLANT OR DEVICE OR SUPPORT OR MATRIX) AND (CORE AND (collagen or (matrix polymer)) AND fiber) AND axon or neuron or (nerve cell) or (neural fibroblast) or (Schwann cell))	USOC, EPAB, JPAB, DWPI	ADJ	YES		07-14-2010
mechanical AND (tension or stretch or force)	USOC, EPAB, JPAB, DWPI	ADJ	YES		07-14-2010
(mechanical AND (tension or stretch or force)) AND (((tissue AND (neuronal or nerve)) AND (growth or repair or reconstruct\$7)) AND (bioreactor or fermenter or vessel or flask or jar) OR ((tissue growth) AND guide) OR SCAFFOLD OR IMPLANT OR DEVICE OR SUPPORT OR MATRIX) AND (CORE AND (collagen or (matrix polymer)) AND fiber) AND axon or neuron or (nerve cell) or (neural fibroblast) or (Schwann cell))	USOC, EPAB, JPAB, DWPI	ADJ	YES		07-14-2010
((mechanical AND (tension or stretch or force) AND (((tissue AND (neuronal or nerve)) AND (growth or repair or reconstruct\$7)) AND (bioreactor or fermenter or vessel or flask or jar) OR ((tissue growth) AND guide) OR SCAFFOLD OR IMPLANT OR DEVICE OR SUPPORT OR MATRIX) AND (CORE AND (collagen or (matrix polymer)) AND fiber) AND axon or neuron or (nerve cell) or (neural fibroblast) or (Schwann cell)) OR ((mechanical or chemical) AND(fix\$8 or immobiliz\$8 or attach\$8 or engage\$9) AND (sheath\$8 or cover\$8 or \$membrane\$9) AND (biopolymer or polyglycolate or polylactate or polycaprylactone or hyaluronan or fibronectin or cellulose or chitosan or starch or lactone or galactone) AND (((tissue AND (neuronal or nerve)) AND (growth or repair or reconstruct\$7)) AND (bioreactor or fermenter or vessel or flask or jar) OR ((tissue growth) AND guide) OR	USOC, EPAB, JPAB, DWPI	ADJ	YES		07-14-2010

SCAFFOLD OR IMPLANT OR DEVICE OR SUPPORT OR MATRIX) AND (CORE AND (collagen or (matrix polymer)) AND fiber) AND axon or neuron or (nerve cell) or (neural fibroblast) or (Schwann cell))) AND ((tissue AND (neuronal or nerve)) AND(growth or repair or reconstruct\$7))					
5756350.PN.	PGPB, USPT	ADJ	YES		07-14-2010
6174333.PN.	PGPB, USPT	ADJ	YES		07-14-2010
6171610.PN.	PGPB, USPT	ADJ	YES		07-14-2010
(6171610.PN.) AND (inner core same (collagen or (matrix polymer)) same fiber same (collagen or (matrix polymer)) same fiber same core same inner core same (collagen or (matrix polymer)) same fiber same core and mechanical same (tension or stretch or force) and axon or neuron or (nerve cell) or (neural fibroblast) or (Schwann cell) same inner core and (collagen or (matrix polymer)) same fiber same core same inner core and axon or neuron or (nerve cell) or (neural fibroblast) or (Schwann cell) same inner core and (collagen or (matrix polymer)) same fiber)	PGPB, USPT	ADJ	YES		07-14-2010
(biopolymer or polyglycolate or polylactate or polycapryolactone or hyaluronan or fibronectin or cellulose or chitosan or starch or lactone or galactone) OR ((collagen or (matrix polymer)) same fiber) OR (sheath\$8 or cover\$8 or \$6membrane\$9)	PGPB, USPT	ADJ	YES		07-14-2010
(biopolymer or polyglycolate or polylactate or polycapryolactone or hyaluronan or fibronectin or cellulose or chitosan or starch or lactone or galactone OR (collagen or (matrix polymer)) same fiber OR sheath\$8 or cover\$8 or \$6membrane\$9) AND (5756350.PN.)	PGPB, USPT	ADJ	YES		07-14-2010
(biopolymer or polyglycolate or polylactate or polycapryolactone or hyaluronan or fibronectin or cellulose or chitosan or starch or lactone or galactone OR (collagen or (matrix polymer)) same fiber OR sheath\$8 or cover\$8 or \$6membrane\$9) AND (6174333.PN.)	PGPB, USPT	ADJ	YES		07-14-2010
(biopolymer or polyglycolate or polylactate or polycapryolactone or hyaluronan or fibronectin or cellulose or chitosan or starch or lactone or galactone OR (collagen or (matrix polymer)) same fiber OR sheath\$8 or cover\$8 or \$6membrane\$9) AND	PGPB, USPT	ADJ	YES		07-14-2010

(6171610.PN.)					
FIBROBLAST OR (NERVE CELL)	PGPB, USPT	ADJ	YES		07-14-2010
(FIBROBLAST OR (NERVE CELL)) ANAD (biopolymer or polyglycolate or polylactate or polycapryolactone or hyaluronan or fibronectin or cellulose or chitosan or starch or lactone or galactone OR (collagen or (matrix polymer)) same fiber OR sheath\$8 or cover\$8 or \$6membrane\$9)	PGPB, USPT	ADJ	YES		07-14-2010
(FIBROBLAST OR (NERVE CELL)) AND (biopolymer or polyglycolate or polylactate or polycapryolactone or hyaluronan or fibronectin or cellulose or chitosan or starch or lactone or galactone OR (collagen or (matrix polymer)) same fiber OR sheath\$8 or cover\$8 or \$6membrane\$9)	PGPB, USPT	ADJ	YES		07-14-2010
(FIBROBLAST OR (NERVE CELL) AND biopolymer or polyglycolate or polylactate or polycapryolactone or hyaluronan or fibronectin or cellulose or chitosan or starch or lactone or galactone OR (collagen or (matrix polymer)) same fiber OR sheath\$8 or cover\$8 or \$6membrane\$9) AND (biopolymer or polyglycolate or polylactate or polycapryolactone or hyaluronan or fibronectin or cellulose or chitosan or starch or lactone or galactone OR (collagen or (matrix polymer)) same fiber OR sheath\$8 or cover\$8 or \$6membrane\$9 AND 5756350.PN.)	PGPB, USPT	ADJ	YES		07-14-2010
(FIBROBLAST OR (NERVE CELL) AND biopolymer or polyglycolate or polylactate or polycapryolactone or hyaluronan or fibronectin or cellulose or chitosan or starch or lactone or galactone OR (collagen or (matrix polymer)) same fiber OR sheath\$8 or cover\$8 or \$6membrane\$9) AND (biopolymer or polyglycolate or polylactate or polycapryolactone or hyaluronan or fibronectin or cellulose or chitosan or starch or lactone or galactone OR (collagen or (matrix polymer)) same fiber OR sheath\$8 or cover\$8 or \$6membrane\$9 AND 6174333.PN.)	PGPB, USPT	ADJ	YES		07-14-2010
(FIBROBLAST OR (NERVE CELL) AND biopolymer or polyglycolate or polylactate or polycapryolactone or hyaluronan or fibronectin or cellulose or chitosan or starch or lactone or galactone OR (collagen or (matrix polymer)) same fiber OR sheath\$8 or cover\$8 or \$6membrane\$9) AND (biopolymer or polyglycolate or polylactate or polycapryolactone or hyaluronan or fibronectin or cellulose or chitosan or starch or lactone or galactone OR (collagen or (matrix polymer)) same	PGPB, USPT	ADJ	YES		07-14-2010

fiber OR sheath\$8 or cover\$8 or \$6membrane\$9 AND 6171610.PN.)					
((tissue AND (neuronal or nerve)) AND(growth or repair or reconstruct\$7)	PGPB, USPT	ADJ	YES		07-14-2010
((tissue AND (neuronal or nerve)) AND(growth or repair or reconstruct\$7)) AND (FIBROBLAST OR (NERVE CELL))	PGPB, USPT	ADJ	YES		07-14-2010
((tissue AND (neuronal or nerve)) AND(growth or repair or reconstruct\$7) AND FIBROBLAST OR (NERVE CELL)) AND (FIBROBLAST OR (NERVE CELL) AND biopolymer or polyglycolate or polylactate or polycapryolactone or hyaluronan or fibronectin or cellulose or chitosan or starch or lactone or galactone OR (collagen or (matrix polymer)) same fiber OR sheath\$8 or cover\$8 or \$6membrane\$9)	PGPB, USPT	ADJ	YES		07-14-2010
((tissue AND (neuronal or nerve)) AND(growth or repair or reconstruct\$7) AND FIBROBLAST OR (NERVE CELL) AND FIBROBLAST OR (NERVE CELL) AND biopolymer or polyglycolate or polylactate or polycapryolactone or hyaluronan or fibronectin or cellulose or chitosan or starch or lactone or galactone OR (collagen or (matrix polymer)) same fiber OR sheath\$8 or cover\$8 or \$6membrane\$9) AND (biopolymer or polyglycolate or polylactate or polycapryolactone or hyaluronan or fibronectin or cellulose or chitosan or starch or lactone or galactone OR (collagen or (matrix polymer)) same fiber OR sheath\$8 or cover\$8 or \$6membrane\$9)	PGPB, USPT	ADJ	YES		07-14-2010
((tissue AND (neuronal or nerve)) AND(growth or repair or reconstruct\$7) AND FIBROBLAST OR (NERVE CELL) AND FIBROBLAST OR (NERVE CELL) AND biopolymer or polyglycolate or polylactate or polycapryolactone or hyaluronan or fibronectin or cellulose or chitosan or starch or lactone or galactone OR (collagen or (matrix polymer)) same fiber OR sheath\$8 or cover\$8 or \$6membrane\$9 AND biopolymer or polyglycolate or polylactate or polycapryolactone or hyaluronan or fibronectin or cellulose or chitosan or starch or lactone or galactone OR (collagen or (matrix polymer)) same fiber OR sheath\$8 or cover\$8 or \$6membrane\$9) AND (FIBROBLAST OR (NERVE CELL) AND biopolymer or polyglycolate or polylactate or polycapryolactone or hyaluronan or fibronectin or cellulose or chitosan or starch or lactone or galactone OR (collagen or (matrix polymer)) same fiber OR sheath\$8 or cover\$8 or \$6membrane\$9 AND biopolymer or polyglycolate or polylactate or polycapryolactone or	PGPB, USPT	ADJ	YES		07-14-2010

hyaluronan or fibronectin or cellulose or chitosan or starch or lactone or galactone OR (collagen or (matrix polymer)) same fiber OR sheath\$8 or cover\$8 or \$6membrane\$9 AND 5756350.PN.)					
((tissue AND (neuronal or nerve)) AND(growth or repair or reconstruct\$7) AND FIBROBLAST OR (NERVE CELL) AND FIBROBLAST OR (NERVE CELL) AND biopolymer or polyglycolate or polylactate or polycapryolactone or hyaluronan or fibronectin or cellulose or chitosan or starch or lactone or galactone OR (collagen or (matrix polymer)) same fiber OR sheath\$8 or cover\$8 or \$6membrane\$9 AND biopolymer or polyglycolate or polylactate or polycapryolactone or hyaluronan or fibronectin or cellulose or chitosan or starch or lactone or galactone OR (collagen or (matrix polymer)) same fiber OR sheath\$8 or cover\$8 or \$6membrane\$9) AND (FIBROBLAST OR (NERVE CELL) AND biopolymer or polyglycolate or polylactate or polycapryolactone or hyaluronan or fibronectin or cellulose or chitosan or starch or lactone or galactone OR (collagen or (matrix polymer)) same fiber OR sheath\$8 or cover\$8 or \$6membrane\$9 AND biopolymer or polyglycolate or polylactate or polycapryolactone or hyaluronan or fibronectin or cellulose or chitosan or starch or lactone or galactone OR (collagen or (matrix polymer)) same fiber OR sheath\$8 or cover\$8 or \$6membrane\$9 AND 6174333.PN.)	PGPB, USPT	ADJ	YES		07-14-2010
((tissue AND (neuronal or nerve)) AND(growth or repair or reconstruct\$7) AND FIBROBLAST OR (NERVE CELL) AND FIBROBLAST OR (NERVE CELL) AND biopolymer or polyglycolate or polylactate or polycapryolactone or hyaluronan or fibronectin or cellulose or chitosan or starch or lactone or galactone OR (collagen or (matrix polymer)) same fiber OR sheath\$8 or cover\$8 or \$6membrane\$9 AND biopolymer or polyglycolate or polylactate or polycapryolactone or hyaluronan or fibronectin or cellulose or chitosan or starch or lactone or galactone OR (collagen or (matrix polymer)) same fiber OR sheath\$8 or cover\$8 or \$6membrane\$9) AND (FIBROBLAST OR (NERVE CELL) AND biopolymer or polyglycolate or polylactate or polycapryolactone or hyaluronan or fibronectin or cellulose or chitosan or starch or lactone or galactone OR (collagen or (matrix polymer)) same fiber OR sheath\$8 or cover\$8 or \$6membrane\$9 AND biopolymer or polyglycolate or polylactate or polycapryolactone or hyaluronan or fibronectin or cellulose or chitosan or starch or lactone or galactone OR (collagen or (matrix polymer)) same fiber OR sheath\$8 or cover\$8 or \$6membrane\$9 AND 6174333.PN.)	PGPB, USPT	ADJ	YES		07-14-2010

\$6membrane\$9 AND 6171610.PN.)					
(tissue growth) same guide	PGPB, USPT	ADJ	YES		04-01-2011
artificial nerve	PGPB, USPT	ADJ	YES		04-01-2011
biopolymer or polyglycolate or polylactate or polycapryrolactone or hyaluronan or fibronectin or cellulose or chitosan or starch or lactone or galactone	PGPB, USPT	ADJ	YES		04-01-2011
(collagen or (matrix polymer)) same fiber	PGPB, USPT	ADJ	YES		04-01-2011
core	PGPB, USPT	ADJ	YES		04-01-2011
sheath\$8 or cover\$8 or \$6membrane\$9	PGPB, USPT	ADJ	YES		04-01-2011
mechanical same (tension or stretch or force)	PGPB, USPT	ADJ	YES		04-01-2011
biological cell	PGPB, USPT	ADJ	YES		04-01-2011
scaffold or support or matrix	PGPB, USPT	ADJ	YES		04-01-2011
implant	PGPB, USPT	ADJ	YES		04-01-2011
(mechanical or chemical) same (fix\$8 or immobiliz\$8 or attach\$8 or engage\$9)	PGPB, USPT	ADJ	YES		04-01-2011
(cell or fiber) same alignment	PGPB, USPT	ADJ	YES		04-01-2011
inner core	PGPB, USPT	ADJ	YES		04-01-2011
(entry or exit) same (holes or opening\$ or ports or pores)	PGPB, USPT	ADJ	YES		04-01-2011
(tissue same (neuronal or nerve)) same (growth or repair or reconstruct\$7)	PGPB, USPT	ADJ	YES		04-01-2011
((tissue same (neuronal or nerve)) same (growth or repair or reconstruct\$7)) same (bioreactor or fermenter or vessel or flask or jar)	PGPB, USPT	ADJ	YES		04-01-2011
((tissue growth) same guide) same (scaffold or support or matrix)	PGPB, USPT	ADJ	YES		04-01-2011
		ADJ	YES		04-01-2011

axon or neuron or (nerve cell) or (neural fibroblast) or (Schwann cell)	PGPB, USPT				
(inner core) same ((collagen or (matrix polymer)) same fiber)	PGPB, USPT	ADJ	YES		04-01-2011
(biological cell) same (axon or neuron or (nerve cell) or (neural fibroblast) or (Schwann cell))	PGPB, USPT	ADJ	YES		04-01-2011
(inner core) same ((core) or ((collagen or (matrix polymer)) same fiber))	PGPB, USPT	ADJ	YES		04-01-2011
((tissue growth) same guide same scaffold or support or matrix) same ((biological cell same axon or neuron or (nerve cell) or (neural fibroblast) or (Schwann cell)) or (inner core same (core or (collagen or (matrix polymer)) same fiber)))	PGPB, USPT	ADJ	YES		04-01-2011
(mechanical same (tension or stretch or force)) same ((biological cell same axon or neuron or (nerve cell) or (neural fibroblast) or (Schwann cell)) or (inner core same (core or (collagen or (matrix polymer)) same fiber)))	PGPB, USPT	ADJ	YES		04-01-2011
((tissue growth) same guide same scaffold or support or matrix) same (implant)	PGPB, USPT	ADJ	YES		04-01-2011
(mechanical same (tension or stretch or force)) same ((tissue growth) same guide same scaffold or support or matrix)	PGPB, USPT	ADJ	YES		04-01-2011
(mechanical same (tension or stretch or force)) same (implant)	PGPB, USPT	ADJ	YES		04-01-2011
(mechanical same (tension or stretch or force) same implant) same (inner core same (core or (collagen or (matrix polymer)) same fiber))	PGPB, USPT	ADJ	YES		04-01-2011
(mechanical same (tension or stretch or force) same implant) same (mechanical same (tension or stretch or force) same (biological cell same axon or neuron or (nerve cell) or (neural fibroblast) or (Schwann cell) or inner core same (core or (collagen or (matrix polymer)) same fiber)))	PGPB, USPT	ADJ	YES		04-01-2011
(mechanical same (tension or stretch or force) same implant same mechanical same (tension or stretch or force) same (biological cell same axon or neuron or (nerve cell) or (neural fibroblast) or (Schwann cell) or inner core same (core or (collagen or (matrix polymer)) same fiber))) same (mechanical same (tension or stretch or force) same implant same inner core same (core or (collagen or (matrix polymer)) same fiber))	PGPB, USPT	ADJ	YES		04-01-2011

(biopolymer or polyglycolate or polylactate or polycapryolactone or hyaluronan or fibronectin or cellulose or chitosan or starch or lactone or galactone) same (sheath\$8 or cover\$8 or \$6membrane\$9)	PGPB, USPT	ADJ	YES		04-01-2011
(biopolymer or polyglycolate or polylactate or polycapryolactone or hyaluronan or fibronectin or cellulose or chitosan or starch or lactone or galactone same sheath\$8 or cover\$8 or \$6membrane\$9) same (axon or neuron or (nerve cell) or (neural fibroblast) or (Schwann cell))	PGPB, USPT	ADJ	YES		04-01-2011
((tissue growth) same guide) same (implant)) same (sheath\$8 or cover\$8 or \$6membrane\$9)	PGPB, USPT	ADJ	YES		04-01-2011
(biopolymer or polyglycolate or polylactate or polycapryolactone or hyaluronan or fibronectin or cellulose or chitosan or starch or lactone or galactone) same ((tissue growth) same guide)	PGPB, USPT	ADJ	YES		04-01-2011
(biopolymer or polyglycolate or polylactate or polycapryolactone or hyaluronan or fibronectin or cellulose or chitosan or starch or lactone or galactone) same (scaffold or support or matrix)	PGPB, USPT	ADJ	YES		04-01-2011
(biopolymer or polyglycolate or polylactate or polycapryolactone or hyaluronan or fibronectin or cellulose or chitosan or starch or lactone or galactone) same (implant)	PGPB, USPT	ADJ	YES		04-01-2011
(biopolymer or polyglycolate or polylactate or polycapryolactone or hyaluronan or fibronectin or cellulose or chitosan or starch or lactone or galactone same implant) same (biopolymer or polyglycolate or polylactate or polycapryolactone or hyaluronan or fibronectin or cellulose or chitosan or starch or lactone or galactone same implant)	PGPB, USPT	ADJ	YES		04-01-2011
(biopolymer or polyglycolate or polylactate or polycapryolactone or hyaluronan or fibronectin or cellulose or chitosan or starch or lactone or galactone same implant) same (biopolymer or polyglycolate or polylactate or polycapryolactone or hyaluronan or fibronectin or cellulose or chitosan or starch or lactone or galactone same scaffold or support or matrix)	PGPB, USPT	ADJ	YES		04-01-2011
((collagen or (matrix polymer)) same fiber) same (core)	PGPB, USPT	ADJ	YES		04-01-2011
((collagen or (matrix polymer)) same fiber same core) same (inner core)	PGPB, USPT	ADJ	YES		04-01-2011
((collagen or (matrix polymer)) same fiber same core same inner core) same (biopolymer or polyglycolate or	PGPB, USPT	ADJ	YES		04-01-2011

polylactate or polycapryolactone or hyaluronan or fibronectin or cellulose or chitosan or starch or lactone or galactone)					
(axon or neuron or (nerve cell) or (neural fibroblast) or (Schwann cell)) same (inner core)	PGPB, USPT	ADJ	YES		04-01-2011
(inner core) same ((collagen or (matrix polymer)) same fiber)	PGPB, USPT	ADJ	YES		04-01-2011
(inner core same (collagen or (matrix polymer)) same fiber) same ((collagen or (matrix polymer)) same fiber same core same inner core)	PGPB, USPT	ADJ	YES		04-01-2011
(inner core same (collagen or (matrix polymer)) same fiber same (collagen or (matrix polymer)) same fiber same core same inner core) same (biopolymer or polyglycolate or polylactate or polycapryolactone or hyaluronan or fibronectin or cellulose or chitosan or starch or lactone or galactone same scaffold or support or matrix)	PGPB, USPT	ADJ	YES		04-01-2011
(inner core same (collagen or (matrix polymer)) same fiber same (collagen or (matrix polymer)) same fiber same core same inner core) same (biopolymer or polyglycolate or polylactate or polycapryolactone or hyaluronan or fibronectin or cellulose or chitosan or starch or lactone or galactone same implant)	PGPB, USPT	ADJ	YES		04-01-2011
(inner core same (collagen or (matrix polymer)) same fiber same (collagen or (matrix polymer)) same fiber same core same inner core) same (biopolymer or polyglycolate or polylactate or polycapryolactone or hyaluronan or fibronectin or cellulose or chitosan or starch or lactone or galactone same implant same biopolymer or polyglycolate or polylactate or polycapryolactone or hyaluronan or fibronectin or cellulose or chitosan or starch or lactone or galactone same implant)	PGPB, USPT	ADJ	YES		04-01-2011
(inner core same (collagen or (matrix polymer)) same fiber same (collagen or (matrix polymer)) same fiber same core same inner core) same (biopolymer or polyglycolate or polylactate or polycapryolactone or hyaluronan or fibronectin or cellulose or chitosan or starch or lactone or galactone same implant same biopolymer or polyglycolate or polylactate or polycapryolactone or hyaluronan or fibronectin or cellulose or chitosan or starch or lactone or galactone same scaffold or support or matrix)	PGPB, USPT	ADJ	YES		04-01-2011
(inner core same (collagen or (matrix polymer)) same fiber same (collagen or (matrix polymer)) same fiber	PGPB, USPT	ADJ	YES		04-01-2011

same core same inner core) same ((collagen or (matrix polymer)) same fiber same core)					
(biological cell) same (inner core)	PGPB, USPT	ADJ	YES		04-01-2011
(biological cell same inner core) and (biopolymer or polyglycolate or polylactate or polycapryolactone or hyaluronan or fibronectin or cellulose or chitosan or starch or lactone or galactone same sheath\$8 or cover\$8 or \$6membrane\$9)	PGPB, USPT	ADJ	YES		04-01-2011
(inner core same (collagen or (matrix polymer)) same fiber same (collagen or (matrix polymer)) same fiber same core same inner core same (collagen or (matrix polymer)) same fiber same core) and (mechanical same (tension or stretch or force))	PGPB, USPT	ADJ	YES		04-01-2011
(axon or neuron or (nerve cell) or (neural fibroblast) or (Schwann cell) same inner core) and ((collagen or (matrix polymer)) same fiber same core same inner core)	PGPB, USPT	ADJ	YES		04-01-2011
(axon or neuron or (nerve cell) or (neural fibroblast) or (Schwann cell) same inner core) and ((collagen or (matrix polymer)) same fiber)	PGPB, USPT	ADJ	YES		04-01-2011
(inner core same (collagen or (matrix polymer)) same fiber same (collagen or (matrix polymer)) same fiber same core same inner core same (collagen or (matrix polymer)) same fiber same core and mechanical same (tension or stretch or force)) and (axon or neuron or (nerve cell) or (neural fibroblast) or (Schwann cell) same inner core and (collagen or (matrix polymer)) same fiber same core same inner core)	PGPB, USPT	ADJ	YES		04-01-2011
(inner core same (collagen or (matrix polymer)) same fiber same (collagen or (matrix polymer)) same fiber same core same inner core same (collagen or (matrix polymer)) same fiber same core and mechanical same (tension or stretch or force) and axon or neuron or (nerve cell) or (neural fibroblast) or (Schwann cell) same inner core and (collagen or (matrix polymer)) same fiber same core same inner core) and (axon or neuron or (nerve cell) or (neural fibroblast) or (Schwann cell) same inner core and (collagen or (matrix polymer)) same fiber)	PGPB, USPT	ADJ	YES		04-01-2011
((tissue growth) same guide) and (biopolymer or polyglycolate or polylactate or polycapryolactone or hyaluronan or fibronectin or cellulose or chitosan or starch or lactone or galactone)	PGPB, USPT	ADJ	YES		04-01-2011

((tissue growth) same guide and biopolymer or polyglycolate or polylactate or polycapryolactone or hyaluronan or fibronectin or cellulose or chitosan or starch or lactone or galactone) and ((collagen or (matrix polymer)) same fiber)	PGPB, USPT	ADJ	YES		04-01-2011
((tissue growth) same guide and biopolymer or polyglycolate or polylactate or polycapryolactone or hyaluronan or fibronectin or cellulose or chitosan or starch or lactone or galactone and (collagen or (matrix polymer)) same fiber) and (core)	PGPB, USPT	ADJ	YES		04-01-2011
((tissue growth) same guide and biopolymer or polyglycolate or polylactate or polycapryolactone or hyaluronan or fibronectin or cellulose or chitosan or starch or lactone or galactone and (collagen or (matrix polymer)) same fiber and core) and (sheath\$8 or cover\$8 or \$6membrane\$9)	PGPB, USPT	ADJ	YES		04-01-2011
((tissue growth) same guide and biopolymer or polyglycolate or polylactate or polycapryolactone or hyaluronan or fibronectin or cellulose or chitosan or starch or lactone or galactone and (collagen or (matrix polymer)) same fiber and core and sheath\$8 or cover\$8 or \$6membrane\$9) and (mechanical same (tension or stretch or force))	PGPB, USPT	ADJ	YES		04-01-2011
((tissue growth) same guide and biopolymer or polyglycolate or polylactate or polycapryolactone or hyaluronan or fibronectin or cellulose or chitosan or starch or lactone or galactone and (collagen or (matrix polymer)) same fiber and core and sheath\$8 or cover\$8 or \$6membrane\$9 and mechanical same (tension or stretch or force)) and (scaffold or support or matrix)	PGPB, USPT	ADJ	YES		04-01-2011
((tissue growth) same guide and biopolymer or polyglycolate or polylactate or polycapryolactone or hyaluronan or fibronectin or cellulose or chitosan or starch or lactone or galactone and (collagen or (matrix polymer)) same fiber and core and sheath\$8 or cover\$8 or \$6membrane\$9 and mechanical same (tension or stretch or force) and scaffold or support or matrix) and (implant)	PGPB, USPT	ADJ	YES		04-01-2011
((tissue growth) same guide and biopolymer or polyglycolate or polylactate or polycapryolactone or hyaluronan or fibronectin or cellulose or chitosan or starch or lactone or galactone and (collagen or (matrix polymer)) same fiber and core and sheath\$8 or cover\$8 or \$6membrane\$9 and mechanical same (tension or stretch or force) and scaffold or support or matrix and implant) and ((mechanical or chemical) same (fix\$8 or	PGPB, USPT	ADJ	YES		04-01-2011

immobiliz\$8 or attach\$8 or engage\$9)					
((tissue growth) same guide and biopolymer or polyglycolate or polylactate or polycapryolactone or hyaluronan or fibronectin or cellulose or chitosan or starch or lactone or galactone and (collagen or (matrix polymer)) same fiber and core and sheath\$8 or cover\$8 or \$6membrane\$9 and mechanical same (tension or stretch or force) and scaffold or support or matrix and implant and (mechanical or chemical) same (fix\$8 or immobiliz\$8 or attach\$8 or engage\$9) and ((cell or fiber) same alignment)	PGPB, USPT	ADJ	YES		04-01-2011
((tissue growth) same guide and biopolymer or polyglycolate or polylactate or polycapryolactone or hyaluronan or fibronectin or cellulose or chitosan or starch or lactone or galactone and (collagen or (matrix polymer)) same fiber and core and sheath\$8 or cover\$8 or \$6membrane\$9 and mechanical same (tension or stretch or force) and scaffold or support or matrix and implant and (mechanical or chemical) same (fix\$8 or immobiliz\$8 or attach\$8 or engage\$9) and (cell or fiber) same alignment) and (inner core)	PGPB, USPT	ADJ	YES		04-01-2011
((tissue growth) same guide and biopolymer or polyglycolate or polylactate or polycapryolactone or hyaluronan or fibronectin or cellulose or chitosan or starch or lactone or galactone and (collagen or (matrix polymer)) same fiber and core and sheath\$8 or cover\$8 or \$6membrane\$9 and mechanical same (tension or stretch or force) and scaffold or support or matrix and implant and (mechanical or chemical) same (fix\$8 or immobiliz\$8 or attach\$8 or engage\$9) and (cell or fiber) same alignment and inner core) and ((entry or exit) same (holes or opening\$ or ports or pores))	PGPB, USPT	ADJ	YES		04-01-2011
((tissue growth) same guide and biopolymer or polyglycolate or polylactate or polycapryolactone or hyaluronan or fibronectin or cellulose or chitosan or starch or lactone or galactone and (collagen or (matrix polymer)) same fiber and core and sheath\$8 or cover\$8 or \$6membrane\$9 and mechanical same (tension or stretch or force) and scaffold or support or matrix and implant and (mechanical or chemical) same (fix\$8 or immobiliz\$8 or attach\$8 or engage\$9) and (cell or fiber) same alignment and inner core and (entry or exit) same (holes or opening\$ or ports or pores)) and ((tissue same (neuronal or nerve)) same (growth or repair or reconstruct\$7))	PGPB, USPT	ADJ	YES		04-01-2011
((tissue growth) same guide and biopolymer or polyglycolate or polylactate or polycapryolactone or	PGPB, USPT	ADJ	YES		04-01-2011

hyaluronan or fibronectin or cellulose or chitosan or starch or lactone or galactone and (collagen or (matrix polymer)) same fiber and core and sheath\$8 or cover\$8 or \$membrane\$9 and mechanical same (tension or stretch or force) and scaffold or support or matrix and implant and (mechanical or chemical) same (fix\$8 or immobiliz\$8 or attach\$8 or engage\$9) and (cell or fiber) same alignment and inner core and (entry or exit) same (holes or opening\$ or ports or pores) and (tissue same (neuronal or nerve)) same (growth or repair or reconstruct\$7)) and (((tissue same (neuronal or nerve)) same (growth or repair or reconstruct\$7)) same (bioreactor or fermenter or vessel or flask or jar))					
axon or neuron or (nerve cell) or (neural fibroblast) or (Schwann cell)	USOC, EPAB, JPAB, DWPI	ADJ	YES		04-01-2011
((tissue AND (neuronal or nerve)) AND (growth or repair or reconstruct\$7)) AND (bioreactor or fermenter or vessel or flask or jar)	USOC, EPAB, JPAB, DWPI	ADJ	YES		04-01-2011
((tissue AND (neuronal or nerve)) AND(growth or repair or reconstruct\$7)	USOC, EPAB, JPAB, DWPI	ADJ	YES		04-01-2011
((tissue growth) AND guide) OR SCAFFOLD OR IMPLANT OR DEVICE OR SUPPORT OR MATRIX	USOC, EPAB, JPAB, DWPI	ADJ	YES		04-01-2011
(((((tissue AND (neuronal or nerve)) AND (growth or repair or reconstruct\$7)) AND (bioreactor or fermenter or vessel or flask or jar)) OR (((tissue growth) AND guide) OR SCAFFOLD OR IMPLANT OR DEVICE OR SUPPORT OR MATRIX)) AND (CORE AND (collagen or (matrix polymer)) AND fiber)	USOC, EPAB, JPAB, DWPI	ADJ	YES		04-01-2011
(((((tissue AND (neuronal or nerve)) AND (growth or repair or reconstruct\$7)) AND (bioreactor or fermenter or vessel or flask or jar) OR (((tissue growth) AND guide) OR SCAFFOLD OR IMPLANT OR DEVICE OR SUPPORT OR MATRIX) AND (CORE AND (collagen or (matrix polymer)) AND fiber)) AND (axon or neuron or (nerve cell) or (neural fibroblast) or (Schwann cell))	USOC, EPAB, JPAB, DWPI	ADJ	YES		04-01-2011
(entry or exit) AND (holes or opening\$ or ports or pores)	USOC, EPAB, JPAB, DWPI	ADJ	YES		04-01-2011

(sheath\$8 or cover\$8 or \$6membrane\$9) AND (biopolymer or polyglycolate or polylactate or polycapryolactone or hyaluronan or fibronectin or cellulose or chitosan or starch or lactone or galactone)	USOC, EPAB, JPAB, DWPI	ADJ	YES		04-01-2011
((sheath\$8 or cover\$8 or \$6membrane\$9) AND (biopolymer or polyglycolate or polylactate or polycapryolactone or hyaluronan or fibronectin or cellulose or chitosan or starch or lactone or galactone)) AND (((tissue AND (neuronal or nerve)) AND (growth or repair or reconstruct\$7)) AND (bioreactor or fermenter or vessel or flask or jar) OR ((tissue growth) AND guide) OR SCAFFOLD OR IMPLANT OR DEVICE OR SUPPORT OR MATRIX) AND (CORE AND (collagen or (matrix polymer)) AND fiber) AND axon or neuron or (nerve cell) or (neural fibroblast) or (Schwann cell))	USOC, EPAB, JPAB, DWPI	ADJ	YES		04-01-2011
((sheath\$8 or cover\$8 or \$6membrane\$9) AND (biopolymer or polyglycolate or polylactate or polycapryolactone or hyaluronan or fibronectin or cellulose or chitosan or starch or lactone or galactone) AND (((tissue AND (neuronal or nerve)) AND (growth or repair or reconstruct\$7)) AND (bioreactor or fermenter or vessel or flask or jar) OR ((tissue growth) AND guide) OR SCAFFOLD OR IMPLANT OR DEVICE OR SUPPORT OR MATRIX) AND (CORE AND (collagen or (matrix polymer)) AND fiber) AND axon or neuron or (nerve cell) or (neural fibroblast) or (Schwann cell)) AND ((entry or exit) AND (holes or opening\$ or ports or pores))	USOC, EPAB, JPAB, DWPI	ADJ	YES		04-01-2011
(mechanical or chemical) AND(fix\$8 or immobiliz\$8 or attach\$8 or engage\$9)	USOC, EPAB, JPAB, DWPI	ADJ	YES		04-01-2011
((mechanical or chemical) AND(fix\$8 or immobiliz\$8 or attach\$8 or engage\$9)) AND ((sheath\$8 or cover\$8 or \$6membrane\$9) AND (biopolymer or polyglycolate or polylactate or polycapryolactone or hyaluronan or fibronectin or cellulose or chitosan or starch or lactone or galactone) AND (((tissue AND (neuronal or nerve)) AND (growth or repair or reconstruct\$7)) AND (bioreactor or fermenter or vessel or flask or jar) OR ((tissue growth) AND guide) OR SCAFFOLD OR IMPLANT OR DEVICE OR SUPPORT OR MATRIX) AND (CORE AND (collagen or (matrix polymer)) AND fiber) AND axon or neuron or (nerve cell) or (neural fibroblast) or (Schwann cell))	USOC, EPAB, JPAB, DWPI	ADJ	YES		04-01-2011
mechanical AND (tension or stretch or force)		ADJ	YES		04-01-2011

	USOC, EPAB, JPAB, DWPI				
(mechanical AND (tension or stretch or force)) AND (((tissue AND (neuronal or nerve)) AND (growth or repair or reconstruct\$7)) AND (bioreactor or fermenter or vessel or flask or jar) OR ((tissue growth) AND guide) OR SCAFFOLD OR IMPLANT OR DEVICE OR SUPPORT OR MATRIX) AND (CORE AND (collagen or (matrix polymer)) AND fiber) AND axon or neuron or (nerve cell) or (neural fibroblast) or (Schwann cell))	USOC, EPAB, JPAB, DWPI	ADJ	YES		04-01-2011
((mechanical AND (tension or stretch or force) AND (((tissue AND (neuronal or nerve)) AND (growth or repair or reconstruct\$7)) AND (bioreactor or fermenter or vessel or flask or jar) OR ((tissue growth) AND guide) OR SCAFFOLD OR IMPLANT OR DEVICE OR SUPPORT OR MATRIX) AND (CORE AND (collagen or (matrix polymer)) AND fiber) AND axon or neuron or (nerve cell) or (neural fibroblast) or (Schwann cell)) OR ((mechanical or chemical) AND (fix\$8 or immobiliz\$8 or attach\$8 or engage\$9) AND (sheath\$8 or cover\$8 or \$6membrane\$9) AND (biopolymer or polyglycolate or polylactate or polycapryolactone or hyaluronan or fibronectin or cellulose or chitosan or starch or lactone or galactone) AND (((tissue AND (neuronal or nerve)) AND (growth or repair or reconstruct\$7)) AND (bioreactor or fermenter or vessel or flask or jar) OR ((tissue growth) AND guide) OR SCAFFOLD OR IMPLANT OR DEVICE OR SUPPORT OR MATRIX) AND (CORE AND (collagen or (matrix polymer)) AND fiber) AND axon or neuron or (nerve cell) or (neural fibroblast) or (Schwann cell))) AND ((tissue AND (neuronal or nerve)) AND (growth or repair or reconstruct\$7))	USOC, EPAB, JPAB, DWPI	ADJ	YES		04-01-2011
(((DISTAL same PROXIMAL) same ENDS) or (entry or exit))	PGPB, USPT	ADJ	YES		06-25-2011
ATTACH\$9 same (POINT\$2 OR REGION\$7)	PGPB, USPT	ADJ	YES		06-25-2011
TETHER\$6	PGPB, USPT	ADJ	YES		06-25-2011
(TETHER\$6) or ((((DISTAL same PROXIMAL) same ENDS) or (entry or exit))) or (ATTACH\$9 same (POINT\$2 OR REGION\$7)))	PGPB, USPT	ADJ	YES		06-25-2011
(TETHER\$6) or ((((DISTAL same PROXIMAL) same ENDS) or (entry or exit))) or (ATTACH\$9 same	PGPB, USPT	ADJ	YES		06-25-2011

(POINT\$2 OR REGION\$7)))					
MECHANICAL same (TENSION OR TRACTION)	PGPB, USPT	ADJ	YES		06-25-2011
(TISSUE\$6 OR NERVE\$ OR NEURON\$9)	PGPB, USPT	ADJ	YES		06-25-2011
(ENGINEER\$6 OR REGENERAT\$7 OR GROW\$5)	PGPB, USPT	ADJ	YES		06-25-2011
((SHEATH same CORE) OR (INNER same OUTER)) same LAYER	PGPB, USPT	ADJ	YES		06-25-2011
(TUBE\$3 or capillar\$3) same (SOLID OR HOLLOW)	PGPB, USPT	ADJ	YES		06-25-2011
(BIOPOLYMER same MATRIX)	PGPB, USPT	ADJ	YES		06-25-2011
SEED\$8 OR (CELLS same (SECRETORY OR EPITHELIAL OR ENDOTHELIAL OR (GLAND same VESSEL) OR SCHWANN OR (NEURAL same FIBROBLAST) OR FIBROBLASTS OR TENOCYTES OR ASTROCYTES OR MELANOCYTES OR ((SMOOTH same MUSCLE) same CELLS) OR OSTEOBLASTS))	PGPB, USPT	ADJ	YES		06-25-2011
(SEED\$8 OR (CELLS same (SECRETORY OR EPITHELIAL OR ENDOTHELIAL OR (GLAND same VESSEL) OR SCHWANN OR (NEURAL same FIBROBLAST) OR FIBROBLASTS OR TENOCYTES OR ASTROCYTES OR MELANOCYTES OR ((SMOOTH same MUSCLE) same CELLS) OR OSTEOBLASTS))) same (SEED\$8 OR (CELLS same (SECRETORY OR EPITHELIAL OR ENDOTHELIAL OR (GLAND same VESSEL) OR SCHWANN OR (NEURAL same FIBROBLAST) OR FIBROBLASTS OR TENOCYTES OR ASTROCYTES OR MELANOCYTES OR ((SMOOTH same MUSCLE) same CELLS) OR OSTEOBLASTS)))	PGPB, USPT	ADJ	YES		06-25-2011
(SEED\$8 OR (CELLS same (SECRETORY OR EPITHELIAL OR ENDOTHELIAL OR (GLAND same VESSEL) OR SCHWANN OR (NEURAL same FIBROBLAST) OR FIBROBLASTS OR TENOCYTES OR ASTROCYTES OR MELANOCYTES OR ((SMOOTH same MUSCLE) same CELLS) OR OSTEOBLASTS))) same (SEED\$8 OR (CELLS same (SECRETORY OR EPITHELIAL OR ENDOTHELIAL OR (GLAND same VESSEL) OR SCHWANN OR (NEURAL same FIBROBLAST) OR FIBROBLASTS OR TENOCYTES OR ASTROCYTES OR	PGPB, USPT	ADJ	YES		06-25-2011

MELANOCYTES OR ((SMOOTH same MUSCLE) same CELLS) OR OSTEOBLASTS)) same SEED\$8 OR (CELLS same (SECRETORY OR EPITHELIAL OR ENDOTHELIAL OR (GLAND same VESSEL) OR SCHWANN OR (NEURAL same FIBROBLAST) OR FIBROBLASTS OR TENOCYTES OR ASTROCYTES OR MELANOCYTES OR ((SMOOTH same MUSCLE) same CELLS) OR OSTEOBLASTS)))					
(SEED\$8 OR (CELLS same (SECRETORY OR EPITHELIAL OR ENDOTHELIAL OR (GLAND same VESSEL) OR SCHWANN OR (NEURAL same FIBROBLAST) OR FIBROBLASTS OR TENOCYTES OR ASTROCYTES OR MELANOCYTES OR ((SMOOTH same MUSCLE) same CELLS) OR OSTEOBLASTS)) same SEED\$8 OR (CELLS same (SECRETORY OR EPITHELIAL OR ENDOTHELIAL OR (GLAND same VESSEL) OR SCHWANN OR (NEURAL same FIBROBLAST) OR FIBROBLASTS OR TENOCYTES OR ASTROCYTES OR MELANOCYTES OR ((SMOOTH same MUSCLE) same CELLS) OR OSTEOBLASTS))) same ((TUBE\$3 or capillar\$3) same (SOLID OR HOLLOW))	PGPB, USPT	ADJ	YES		06-25-2011
(SEED\$8 OR (CELLS same (SECRETORY OR EPITHELIAL OR ENDOTHELIAL OR (GLAND same VESSEL) OR SCHWANN OR (NEURAL same FIBROBLAST) OR FIBROBLASTS OR TENOCYTES OR ASTROCYTES OR MELANOCYTES OR ((SMOOTH same MUSCLE) same CELLS) OR OSTEOBLASTS)) same SEED\$8 OR (CELLS same (SECRETORY OR EPITHELIAL OR ENDOTHELIAL OR (GLAND same VESSEL) OR SCHWANN OR (NEURAL same FIBROBLAST) OR FIBROBLASTS OR TENOCYTES OR ASTROCYTES OR MELANOCYTES OR ((SMOOTH same MUSCLE) same CELLS) OR OSTEOBLASTS))) same ((BIOPOLYMER same MATRIX))	PGPB, USPT	ADJ	YES		06-25-2011
		ADJ	YES		06-25-2011

(SEED\$8 OR (CELLS same (SECRETORY OR EPITHELIAL OR ENDOTHELIAL OR (GLAND same VESSEL) OR SCHWANN OR (NEURAL same FIBROBLAST) OR FIBROBLASTS OR TENOCYTES OR ASTROCYTES OR MELANOCYTES OR ((SMOOTH same MUSCLE) same CELLS) OR OSTEOBLASTS)) same SEED\$8 OR (CELLS same (SECRETORY OR EPITHELIAL OR ENDOTHELIAL OR (GLAND same VESSEL) OR SCHWANN OR (NEURAL same FIBROBLAST) OR FIBROBLASTS OR TENOCYTES OR ASTROCYTES OR MELANOCYTES OR ((SMOOTH same MUSCLE) same CELLS) OR OSTEOBLASTS))) same (((SHEATH same CORE) OR (INNER same OUTER)) same LAYER)	PGPB, USPT				
(SEED\$8 OR (CELLS same (SECRETORY OR EPITHELIAL OR ENDOTHELIAL OR (GLAND same VESSEL) OR SCHWANN OR (NEURAL same FIBROBLAST) OR FIBROBLASTS OR TENOCYTES OR ASTROCYTES OR MELANOCYTES OR ((SMOOTH same MUSCLE) same CELLS) OR OSTEOBLASTS))) same ((BIOPOLYMER same MATRIX))	PGPB, USPT	ADJ	YES		06-25-2011
(SEED\$8 OR (CELLS same (SECRETORY OR EPITHELIAL OR ENDOTHELIAL OR (GLAND same VESSEL) OR SCHWANN OR (NEURAL same FIBROBLAST) OR FIBROBLASTS OR TENOCYTES OR ASTROCYTES OR MELANOCYTES OR ((SMOOTH same MUSCLE) same CELLS) OR OSTEOBLASTS)) same (BIOPOLYMER same MATRIX)) same ((TUBE\$3 or capillar\$3) same (SOLID OR HOLLOW))	PGPB, USPT	ADJ	YES		06-25-2011
(SEED\$8 OR (CELLS same (SECRETORY OR EPITHELIAL OR ENDOTHELIAL OR (GLAND same VESSEL) OR SCHWANN OR (NEURAL same FIBROBLAST) OR FIBROBLASTS OR TENOCYTES OR ASTROCYTES OR MELANOCYTES OR ((SMOOTH same MUSCLE) same CELLS) OR OSTEOBLASTS)) same (BIOPOLYMER same MATRIX)) same (((SHEATH same CORE) OR (INNER same OUTER)) same LAYER)	PGPB, USPT	ADJ	YES		06-25-2011
		ADJ	YES		06-25-2011

((TISSUE\$6 OR NERVE\$ OR NEURON\$9)) same ((BIOPOLYMER same MATRIX))	PGPB, USPT				
((TISSUE\$6 OR NERVE\$ OR NEURON\$9) same (BIOPOLYMER same MATRIX)) same ((ENGINEER\$6 OR REGENERAT\$7 OR GROW\$5))	PGPB, USPT	ADJ	YES		06-25-2011
(SEED\$8 OR (CELLS same (SECRETORY OR EPITHELIAL OR ENDOTHELIAL OR (GLAND same VESSEL) OR SCHWANN OR (NEURAL same FIBROBLAST) OR FIBROBLASTS OR TENOCYTES OR ASTROCYTES OR MELANOCYTES OR ((SMOOTH same MUSCLE) same CELLS) OR OSTEOBLASTS)) same (BIOPOLYMER same MATRIX)) same ((ENGINEER\$6 OR REGENERAT\$7 OR GROW\$5))	PGPB, USPT	ADJ	YES		06-25-2011
SEED\$8 same CELLS	PGPB, USPT	ADJ	YES		06-25-2011
(SEED\$8 same CELLS) same ((BIOPOLYMER same MATRIX))	PGPB, USPT	ADJ	YES		06-25-2011
(SEED\$8 same CELLS same (BIOPOLYMER same MATRIX)) same (((SHEATH same CORE) OR (INNER same OUTER)) same LAYER) or ((TUBE\$3 or capillar\$3) same (SOLID OR HOLLOW)))	PGPB, USPT	ADJ	YES		06-25-2011
(ATTACH\$9 same (POINT\$2 OR REGION\$7)) same (((DISTAL same PROXIMAL) same ENDS) or (entry or exit)))	PGPB, USPT	ADJ	YES		06-25-2011
(SEED\$8 same CELLS) same (((TUBE\$3 or capillar\$3) same (SOLID OR HOLLOW)) or (((SHEATH same CORE) OR (INNER same OUTER)) same LAYER))	PGPB, USPT	ADJ	YES		06-25-2011
(SEED\$8 same CELLS same (BIOPOLYMER same MATRIX)) same (ATTACH\$9 same (POINT\$2 OR REGION\$7) same (((DISTAL same PROXIMAL) same ENDS) or (entry or exit)))	PGPB, USPT	ADJ	YES		06-25-2011
(SEED\$8 same CELLS same ((TUBE\$3 or capillar\$3) same (SOLID OR HOLLOW) or ((SHEATH same CORE) OR (INNER same OUTER)) same LAYER)) same (ATTACH\$9 same (POINT\$2 OR REGION\$7) same (((DISTAL same PROXIMAL) same ENDS) or (entry or exit)))	PGPB, USPT	ADJ	YES		06-25-2011
(TETHER\$6) same ((SEED\$8 OR (CELLS same (SECRETORY OR EPITHELIAL OR ENDOTHELIAL OR (GLAND same VESSEL) OR SCHWANN OR (NEURAL same FIBROBLAST) OR FIBROBLASTS OR TENOCYTES OR ASTROCYTES OR MELANOCYTES OR ((SMOOTH same MUSCLE)	PGPB, USPT	ADJ	YES		06-25-2011

same CELLS) OR OSTEOBLASTS)) same (BIOPOLYMER same MATRIX)) or ((TISSUE\$6 OR NERVE\$ OR NEURON\$9) same (BIOPOLYMER same MATRIX)) or ((TISSUE\$6 OR NERVE\$ OR NEURON\$9) same (BIOPOLYMER same MATRIX) same (ENGINEER\$6 OR REGENERAT\$7 OR GROW\$5)) or (SEED\$8 same CELLS same (BIOPOLYMER same MATRIX)))					
(SEED\$8 OR (CELLS same (SECRETORY OR EPITHELIAL OR ENDOTHELIAL OR (GLAND same VESSEL) OR SCHWANN OR (NEURAL same FIBROBLAST) OR FIBROBLASTS OR TENOCYTES OR ASTROCYTES OR MELANOCYTES OR ((SMOOTH same MUSCLE) same CELLS) OR OSTEOBLASTS)) same (BIOPOLYMER same MATRIX)) and (((SHEATH same CORE) OR (INNER same OUTER)) same LAYER)	PGPB, USPT	ADJ	YES		06-25-2011
(SEED\$8 same CELLS same (BIOPOLYMER same MATRIX)) and (((SHEATH same CORE) OR (INNER same OUTER)) same LAYER) or ((TUBE\$3 or capillar\$3) same (SOLID OR HOLLOW)))	PGPB, USPT	ADJ	YES		06-25-2011
(SEED\$8 same CELLS same (BIOPOLYMER same MATRIX)) and (ATTACH\$9 same (POINT\$2 OR REGION\$7) same (((DISTAL same PROXIMAL) same ENDS) or (entry or exit)))	PGPB, USPT	ADJ	YES		06-25-2011
(SEED\$8 same CELLS same ((TUBE\$3 or capillar\$3) same (SOLID OR HOLLOW) or ((SHEATH same CORE) OR (INNER same OUTER)) same LAYER)) and (ATTACH\$9 same (POINT\$2 OR REGION\$7) same (((DISTAL same PROXIMAL) same ENDS) or (entry or exit)))	PGPB, USPT	ADJ	YES		06-25-2011
(TETHER\$6) and (SEED\$8 OR (CELLS same (SECRETORY OR EPITHELIAL OR ENDOTHELIAL OR (GLAND same VESSEL) OR SCHWANN OR (NEURAL same FIBROBLAST) OR FIBROBLASTS OR TENOCYTES OR ASTROCYTES OR MELANOCYTES OR ((SMOOTH same MUSCLE) same CELLS) OR OSTEOBLASTS)) same (BIOPOLYMER same MATRIX) and ((SHEATH same CORE) OR (INNER same OUTER)) same LAYER)	PGPB, USPT	ADJ	YES		06-25-2011
(TETHER\$6) and (SEED\$8 same CELLS same (BIOPOLYMER same MATRIX) and (((SHEATH same CORE) OR (INNER same OUTER)) same LAYER or (TUBE\$3 or capillar\$3) same (SOLID OR HOLLOW)))	PGPB, USPT	ADJ	YES		06-25-2011
		ADJ	YES		06-25-2011

(TETHER\$6) and (SEED\$8 same CELLS same (BIOPOLYMER same MATRIX) and ATTACH\$9 same (POINT\$2 OR REGION\$7) same (((DISTAL same PROXIMAL) same ENDS) or (entry or exit)))	PGPB, USPT				
(TETHER\$6 and SEED\$8 same CELLS same (BIOPOLYMER same MATRIX) and ATTACH\$9 same (POINT\$2 OR REGION\$7) same (((DISTAL same PROXIMAL) same ENDS) or (entry or exit)) and (MECHANICAL same (TENSION OR TRACTION))	PGPB, USPT	ADJ	YES		06-25-2011
(TETHER\$6 and SEED\$8 same CELLS same (BIOPOLYMER same MATRIX) and (((SHEATH same CORE) OR (INNER same OUTER)) same LAYER or (TUBE\$3 or capillar\$3) same (SOLID OR HOLLOW)) and (MECHANICAL same (TENSION OR TRACTION))	PGPB, USPT	ADJ	YES		06-25-2011
(TETHER\$6 and SEED\$8 OR (CELLS same (SECRETORY OR EPITHELIAL OR ENDOTHELIAL OR (GLAND same VESSEL) OR SCHWANN OR (NEURAL same FIBROBLAST) OR FIBROBLASTS OR TENOCYTES OR ASTROCYTES OR MELANOCYTES OR ((SMOOTH same MUSCLE) same CELLS) OR OSTEOBLASTS)) same (BIOPOLYMER same MATRIX) and ((SHEATH same CORE) OR (INNER same OUTER)) same LAYER) and (MECHANICAL same (TENSION OR TRACTION))	PGPB, USPT	ADJ	YES		06-25-2011
(TETHER\$6 and SEED\$8 OR (CELLS same (SECRETORY OR EPITHELIAL OR ENDOTHELIAL OR (GLAND same VESSEL) OR SCHWANN OR (NEURAL same FIBROBLAST) OR FIBROBLASTS OR TENOCYTES OR ASTROCYTES OR MELANOCYTES OR ((SMOOTH same MUSCLE) same CELLS) OR OSTEOBLASTS)) same (BIOPOLYMER same MATRIX) and ((SHEATH same CORE) OR (INNER same OUTER)) same LAYER and MECHANICAL same (TENSION OR TRACTION)) and (TETHER\$6 and SEED\$8 same CELLS same (BIOPOLYMER same MATRIX) and (((SHEATH same CORE) OR (INNER same OUTER)) same LAYER or (TUBE\$3 or capillar\$3) same (SOLID OR HOLLOW)) and MECHANICAL same (TENSION OR TRACTION))	PGPB, USPT	ADJ	YES		06-25-2011
(TETHER\$6 and SEED\$8 OR (CELLS same (SECRETORY OR EPITHELIAL OR ENDOTHELIAL OR (GLAND same VESSEL) OR SCHWANN OR (NEURAL same FIBROBLAST) OR FIBROBLASTS OR TENOCYTES OR ASTROCYTES OR MELANOCYTES OR ((SMOOTH same MUSCLE)	PGPB, USPT	ADJ	YES		06-25-2011

same CELLS) OR OSTEOBLASTS)) same (BIOPOLYMER same MATRIX) and ((SHEATH same CORE) OR (INNER same OUTER)) same LAYER and MECHANICAL same (TENSION OR TRACTION) and TETHER\$6 and SEED\$8 same CELLS same (BIOPOLYMER same MATRIX) and ((SHEATH same CORE) OR (INNER same OUTER)) same LAYER or (TUBE\$3 or capillar\$3) same (SOLID OR HOLLOW)) and MECHANICAL same (TENSION OR TRACTION)) and (TETHER\$6 and SEED\$8 same CELLS same (BIOPOLYMER same MATRIX) and ATTACH\$9 same (POINT\$2 OR REGION\$7) same (((DISTAL same PROXIMAL) same ENDS) or (entry or exit)) and MECHANICAL same (TENSION OR TRACTION))					
(((DISTAL and PROXIMAL) and ENDS) or (entry or exit))	PGPB, USPT	ADJ	YES		06-25-2011
(((DISTAL and PROXIMAL) and ENDS) or (entry or exit))	USOC, EPAB, JPAB, DWPI	ADJ	YES		06-25-2011
(ATTACH\$9 or anchor\$8) and (POINT\$2 OR REGION\$7)	USOC, EPAB, JPAB, DWPI	ADJ	YES		06-25-2011
TETHER\$6	USOC, EPAB, JPAB, DWPI	ADJ	YES		06-25-2011
MECHANICAL and (TENSION OR TRACTION or stress)	USOC, EPAB, JPAB, DWPI	ADJ	YES		06-25-2011
(TISSUE\$6 OR NERVE\$ OR NEURON\$9)	USOC, EPAB, JPAB, DWPI	ADJ	YES		06-25-2011
(ENGINEER\$6 OR REGENERAT\$7 OR GROW\$5)	USOC, EPAB, JPAB, DWPI	ADJ	YES		06-25-2011
((SHEATH and CORE) OR (INNER and OUTER)) same LAYER	USOC, EPAB, JPAB, DWPI	ADJ	YES		06-25-2011

(CELLS and (SECRETORY OR EPITHELIAL OR ENDOTHELIAL OR (GLAND and VESSEL) OR SCHWANN OR (NEURAL and FIBROBLAST) OR FIBROBLASTS OR TENOCYTES OR ASTROCYTES OR MELANOCYTES OR ((SMOOTH and MUSCLE) and CELLS) OR OSTEOBLASTS))	USOC, EPAB, JPAB, DWPI	ADJ	YES		06-25-2011
(BIOPOLYMER MATRIX)	USOC, EPAB, JPAB, DWPI	ADJ	YES		06-25-2011
(BIOPOLYMER and MATRIX)	USOC, EPAB, JPAB, DWPI	ADJ	YES		06-25-2011
((BIOPOLYMER and MATRIX)) and ((TISSUE\$6 OR NERVE\$ OR NEURON\$9))	USOC, EPAB, JPAB, DWPI	ADJ	YES		06-25-2011
((BIOPOLYMER and MATRIX)) and ((CELLS and (SECRETORY OR EPITHELIAL OR ENDOTHELIAL OR (GLAND and VESSEL) OR SCHWANN OR (NEURAL and FIBROBLAST) OR FIBROBLASTS OR TENOCYTES OR ASTROCYTES OR MELANOCYTES OR ((SMOOTH and MUSCLE) and CELLS) OR OSTEOBLASTS)))	USOC, EPAB, JPAB, DWPI	ADJ	YES		06-25-2011
((ENGINEER\$6 OR REGENERAT\$7 OR GROW\$5)) and (((BIOPOLYMER and MATRIX) and (TISSUE\$6 OR NERVE\$ OR NEURON\$9)) or ((BIOPOLYMER and MATRIX) and (CELLS and (SECRETORY OR EPITHELIAL OR ENDOTHELIAL OR (GLAND and VESSEL) OR SCHWANN OR (NEURAL and FIBROBLAST) OR FIBROBLASTS OR TENOCYTES OR ASTROCYTES OR MELANOCYTES OR ((SMOOTH and MUSCLE) and CELLS) OR OSTEOBLASTS))))	USOC, EPAB, JPAB, DWPI	ADJ	YES		06-25-2011
(((BIOPOLYMER and MATRIX) and (TISSUE\$6 OR NERVE\$ OR NEURON\$9)) or ((BIOPOLYMER and MATRIX) and (CELLS and (SECRETORY OR EPITHELIAL OR ENDOTHELIAL OR (GLAND and VESSEL) OR SCHWANN OR (NEURAL and FIBROBLAST) OR FIBROBLASTS OR TENOCYTES OR ASTROCYTES OR MELANOCYTES OR ((SMOOTH and MUSCLE) and CELLS) OR OSTEOBLASTS))))	USOC, EPAB, JPAB, DWPI	ADJ	YES		06-25-2011
((BIOPOLYMER and MATRIX) and (TISSUE\$6 OR NERVE\$ OR NEURON\$9) or (BIOPOLYMER and	USOC, EPAB,	ADJ	YES		06-25-2011

MATRIX) and (CELLS and (SECRETORY OR EPITHELIAL OR ENDOTHELIAL OR (GLAND and VESSEL) OR SCHWANN OR (NEURAL and FIBROBLAST) OR FIBROBLASTS OR TENOCYTES OR ASTROCYTES OR MELANOCYTES OR ((SMOOTH and MUSCLE) and CELLS) OR OSTEOBLASTS)))) and ((ENGINEER\$6 OR REGENERAT\$7 OR GROW\$5))	JPAB, DWPI				
((((BIOPOLYMER and MATRIX) and (TISSUE\$6 OR NERVE\$ OR NEURON\$9) or (BIOPOLYMER and MATRIX) and (CELLS and (SECRETORY OR EPITHELIAL OR ENDOTHELIAL OR (GLAND and VESSEL) OR SCHWANN OR (NEURAL and FIBROBLAST) OR FIBROBLASTS OR TENOCYTES OR ASTROCYTES OR MELANOCYTES OR ((SMOOTH and MUSCLE) and CELLS) OR OSTEOBLASTS)))) and (ENGINEER\$6 OR REGENERAT\$7 OR GROW\$5)) and (((SHEATH and CORE) OR (INNER and OUTER)) same LAYER)	USOC, EPAB, JPAB, DWPI	ADJ	YES		06-25-2011
((((DISTAL and PROXIMAL) and ENDS) or (entry or exit))) and (TETHER\$6)	USOC, EPAB, JPAB, DWPI	ADJ	YES		06-25-2011
((((DISTAL and PROXIMAL) and ENDS) or (entry or exit))) and ((ATTACH\$9 or anchor\$8) and (POINT\$2 OR REGION\$7))	USOC, EPAB, JPAB, DWPI	ADJ	YES		06-25-2011
(TUBE\$3 or capillar\$3) and (SOLID OR HOLLOW)	USOC, EPAB, JPAB, DWPI	ADJ	YES		06-25-2011
((TUBE\$3 or capillar\$3) and (SOLID OR HOLLOW)) and ((ENGINEER\$6 OR REGENERAT\$7 OR GROW\$5) and ((BIOPOLYMER and MATRIX) and (TISSUE\$6 OR NERVE\$ OR NEURON\$9) or (BIOPOLYMER and MATRIX) and (CELLS and (SECRETORY OR EPITHELIAL OR ENDOTHELIAL OR (GLAND and VESSEL) OR SCHWANN OR (NEURAL and FIBROBLAST) OR FIBROBLASTS OR TENOCYTES OR ASTROCYTES OR MELANOCYTES OR ((SMOOTH and MUSCLE) and CELLS) OR OSTEOBLASTS))))	USOC, EPAB, JPAB, DWPI	ADJ	YES		06-25-2011
((TUBE\$3 or capillar\$3) and (SOLID OR HOLLOW) and (ENGINEER\$6 OR REGENERAT\$7 OR GROW\$5) and ((BIOPOLYMER and MATRIX) and (TISSUE\$6 OR NERVE\$ OR NEURON\$9) or	USOC, EPAB, JPAB, DWPI	ADJ	YES		06-25-2011

(BIOPOLYMER and MATRIX) and (CELLS and (SECRETORY OR EPITHELIAL OR ENDOTHELIAL OR (GLAND and VESSEL) OR SCHWANN OR (NEURAL and FIBROBLAST) OR FIBROBLASTS OR TENOCYTES OR ASTROCYTES OR MELANOCYTES OR ((SMOOTH and MUSCLE) and CELLS) OR OSTEOBLASTS))) and (((BIOPOLYMER and MATRIX) and (TISSUE\$6 OR NERVE\$ OR NEURON\$9) or (BIOPOLYMER and MATRIX) and (CELLS and (SECRETORY OR EPITHELIAL OR ENDOTHELIAL OR (GLAND and VESSEL) OR SCHWANN OR (NEURAL and FIBROBLAST) OR FIBROBLASTS OR TENOCYTES OR ASTROCYTES OR MELANOCYTES OR ((SMOOTH and MUSCLE) and CELLS) OR OSTEOBLASTS))) and (ENGINEER\$6 OR REGENERAT\$7 OR GROW\$5) and ((SHEATH and CORE) OR (INNER and OUTER)) same LAYER)					
((TUBE\$3 or capillar\$3) and (SOLID OR HOLLOW) and (ENGINEER\$6 OR REGENERAT\$7 OR GROW\$5) and ((BIOPOLYMER and MATRIX) and (TISSUE\$6 OR NERVE\$ OR NEURON\$9) or (BIOPOLYMER and MATRIX) and (CELLS and (SECRETORY OR EPITHELIAL OR ENDOTHELIAL OR (GLAND and VESSEL) OR SCHWANN OR (NEURAL and FIBROBLAST) OR FIBROBLASTS OR TENOCYTES OR ASTROCYTES OR MELANOCYTES OR ((SMOOTH and MUSCLE) and CELLS) OR OSTEOBLASTS))) and ((BIOPOLYMER and MATRIX) and (TISSUE\$6 OR NERVE\$ OR NEURON\$9) or (BIOPOLYMER and MATRIX) and (CELLS and (SECRETORY OR EPITHELIAL OR ENDOTHELIAL OR (GLAND and VESSEL) OR SCHWANN OR (NEURAL and FIBROBLAST) OR FIBROBLASTS OR TENOCYTES OR ASTROCYTES OR MELANOCYTES OR ((SMOOTH and MUSCLE) and CELLS) OR OSTEOBLASTS))) and (ENGINEER\$6 OR REGENERAT\$7 OR GROW\$5) and ((SHEATH and CORE) OR (INNER and OUTER)) same LAYER) and (MECHANICAL and (TENSION OR TRACTION or stress))	USOC, EPAB, JPAB, DWPI	ADJ	YES		06-25-2011
(tissue growth) same guide	PGPB, USPT	ADJ	YES		06-25-2011
artificial nerve	PGPB, USPT	ADJ	YES		06-25-2011
biopolymer or polyglycolate or polylactate or polycapryolactone or hyaluronan or fibronectin or cellulose or chitosan or starch or lactone or galactone	PGPB, USPT	ADJ	YES		06-25-2011

(collagen or (matrix polymer)) same fiber	PGPB, USPT	ADJ	YES		06-25-2011
core	PGPB, USPT	ADJ	YES		06-25-2011
sheath\$8 or cover\$8 or \$6membrane\$9	PGPB, USPT	ADJ	YES		06-25-2011
mechanical same (tension or stretch or force)	PGPB, USPT	ADJ	YES		06-25-2011
biological cell	PGPB, USPT	ADJ	YES		06-25-2011
scaffold or support or matrix	PGPB, USPT	ADJ	YES		06-25-2011
implant	PGPB, USPT	ADJ	YES		06-25-2011
(mechanical or chemical) same (fix\$8 or immobiliz\$8 or attach\$8 or engage\$9)	PGPB, USPT	ADJ	YES		06-25-2011
(cell or fiber) same alignment	PGPB, USPT	ADJ	YES		06-25-2011
inner core	PGPB, USPT	ADJ	YES		06-25-2011
(entry or exit) same (holes or opening\$ or ports or pores)	PGPB, USPT	ADJ	YES		06-25-2011
(tissue same (neuronal or nerve)) same (growth or repair or reconstruct\$7)	PGPB, USPT	ADJ	YES		06-25-2011
((tissue same (neuronal or nerve)) same (growth or repair or reconstruct\$7)) same (bioreactor or fermenter or vessel or flask or jar)	PGPB, USPT	ADJ	YES		06-25-2011
((tissue growth) same guide) same (scaffold or support or matrix)	PGPB, USPT	ADJ	YES		06-25-2011
axon or neuron or (nerve cell) or (neural fibroblast) or (Schwann cell)	PGPB, USPT	ADJ	YES		06-25-2011
(inner core) same ((collagen or (matrix polymer)) same fiber)	PGPB, USPT	ADJ	YES		06-25-2011
(biological cell) same (axon or neuron or (nerve cell) or (neural fibroblast) or (Schwann cell))	PGPB, USPT	ADJ	YES		06-25-2011
(inner core) same ((core) or ((collagen or (matrix polymer)) same fiber))	PGPB, USPT	ADJ	YES		06-25-2011
		ADJ	YES		06-25-2011

((tissue growth) same guide same scaffold or support or matrix) same ((biological cell same axon or neuron or (nerve cell) or (neural fibroblast) or (Schwann cell)) or (inner core same (core or (collagen or (matrix polymer)) same fiber)))	PGPB, USPT				
(mechanical same (tension or stretch or force)) same ((biological cell same axon or neuron or (nerve cell) or (neural fibroblast) or (Schwann cell)) or (inner core same (core or (collagen or (matrix polymer)) same fiber)))	PGPB, USPT	ADJ	YES		06-25-2011
((tissue growth) same guide same scaffold or support or matrix) same (implant)	PGPB, USPT	ADJ	YES		06-25-2011
(mechanical same (tension or stretch or force)) same ((tissue growth) same guide same scaffold or support or matrix)	PGPB, USPT	ADJ	YES		06-25-2011
(mechanical same (tension or stretch or force)) same (implant)	PGPB, USPT	ADJ	YES		06-25-2011
(mechanical same (tension or stretch or force) same implant) same (inner core same (core or (collagen or (matrix polymer)) same fiber))	PGPB, USPT	ADJ	YES		06-25-2011
(mechanical same (tension or stretch or force) same implant) same (mechanical same (tension or stretch or force) same (biological cell same axon or neuron or (nerve cell) or (neural fibroblast) or (Schwann cell) or inner core same (core or (collagen or (matrix polymer)) same fiber)))	PGPB, USPT	ADJ	YES		06-25-2011
(mechanical same (tension or stretch or force) same implant same mechanical same (tension or stretch or force) same (biological cell same axon or neuron or (nerve cell) or (neural fibroblast) or (Schwann cell) or inner core same (core or (collagen or (matrix polymer)) same fiber))) same (mechanical same (tension or stretch or force) same implant same inner core same (core or (collagen or (matrix polymer)) same fiber))	PGPB, USPT	ADJ	YES		06-25-2011
(biopolymer or polyglycolate or polylactate or polycaprylactone or hyaluronan or fibronectin or cellulose or chitosan or starch or lactone or galactone) same (sheath\$8 or cover\$8 or \$6membrane\$9)	PGPB, USPT	ADJ	YES		06-25-2011
(biopolymer or polyglycolate or polylactate or polycaprylactone or hyaluronan or fibronectin or cellulose or chitosan or starch or lactone or galactone same sheath\$8 or cover\$8 or \$6membrane\$9) same (axon or neuron or (nerve cell) or (neural fibroblast) or (Schwann cell))	PGPB, USPT	ADJ	YES		06-25-2011

(((tissue growth) same guide) same (implant)) same (sheath\$8 or cover\$8 or \$6membrane\$9)	PGPB, USPT	ADJ	YES		06-25-2011
(biopolymer or polyglycolate or polylactate or polycapryolactone or hyaluronan or fibronectin or cellulose or chitosan or starch or lactone or galactone) same ((tissue growth) same guide)	PGPB, USPT	ADJ	YES		06-25-2011
(biopolymer or polyglycolate or polylactate or polycapryolactone or hyaluronan or fibronectin or cellulose or chitosan or starch or lactone or galactone) same (scaffold or support or matrix)	PGPB, USPT	ADJ	YES		06-25-2011
(biopolymer or polyglycolate or polylactate or polycapryolactone or hyaluronan or fibronectin or cellulose or chitosan or starch or lactone or galactone) same (implant)	PGPB, USPT	ADJ	YES		06-25-2011
(biopolymer or polyglycolate or polylactate or polycapryolactone or hyaluronan or fibronectin or cellulose or chitosan or starch or lactone or galactone same implant) same (biopolymer or polyglycolate or polylactate or polycapryolactone or hyaluronan or fibronectin or cellulose or chitosan or starch or lactone or galactone same implant)	PGPB, USPT	ADJ	YES		06-25-2011
(biopolymer or polyglycolate or polylactate or polycapryolactone or hyaluronan or fibronectin or cellulose or chitosan or starch or lactone or galactone same implant) same (biopolymer or polyglycolate or polylactate or polycapryolactone or hyaluronan or fibronectin or cellulose or chitosan or starch or lactone or galactone same scaffold or support or matrix)	PGPB, USPT	ADJ	YES		06-25-2011
((collagen or (matrix polymer)) same fiber) same (core)	PGPB, USPT	ADJ	YES		06-25-2011
((collagen or (matrix polymer)) same fiber same core) same (inner core)	PGPB, USPT	ADJ	YES		06-25-2011
((collagen or (matrix polymer)) same fiber same core same inner core) same (biopolymer or polyglycolate or polylactate or polycapryolactone or hyaluronan or fibronectin or cellulose or chitosan or starch or lactone or galactone)	PGPB, USPT	ADJ	YES		06-25-2011
(axon or neuron or (nerve cell) or (neural fibroblast) or (Schwann cell)) same (inner core)	PGPB, USPT	ADJ	YES		06-25-2011
(inner core) same ((collagen or (matrix polymer)) same fiber)	PGPB, USPT	ADJ	YES		06-25-2011
(inner core same (collagen or (matrix polymer)) same fiber) same ((collagen or (matrix polymer)) same fiber	PGPB, USPT	ADJ	YES		06-25-2011

same core same inner core)					
(inner core same (collagen or (matrix polymer)) same fiber same (collagen or (matrix polymer)) same fiber same core same inner core) same (biopolymer or polyglycolate or polylactate or polycapryolactone or hyaluronan or fibronectin or cellulose or chitosan or starch or lactone or galactone same scaffold or support or matrix)	PGPB, USPT	ADJ	YES		06-25-2011
(inner core same (collagen or (matrix polymer)) same fiber same (collagen or (matrix polymer)) same fiber same core same inner core) same (biopolymer or polyglycolate or polylactate or polycapryolactone or hyaluronan or fibronectin or cellulose or chitosan or starch or lactone or galactone same implant)	PGPB, USPT	ADJ	YES		06-25-2011
(inner core same (collagen or (matrix polymer)) same fiber same (collagen or (matrix polymer)) same fiber same core same inner core) same (biopolymer or polyglycolate or polylactate or polycapryolactone or hyaluronan or fibronectin or cellulose or chitosan or starch or lactone or galactone same implant same biopolymer or polyglycolate or polylactate or polycapryolactone or hyaluronan or fibronectin or cellulose or chitosan or starch or lactone or galactone same implant)	PGPB, USPT	ADJ	YES		06-25-2011
(inner core same (collagen or (matrix polymer)) same fiber same (collagen or (matrix polymer)) same fiber same core same inner core) same (biopolymer or polyglycolate or polylactate or polycapryolactone or hyaluronan or fibronectin or cellulose or chitosan or starch or lactone or galactone same implant same biopolymer or polyglycolate or polylactate or polycapryolactone or hyaluronan or fibronectin or cellulose or chitosan or starch or lactone or galactone same scaffold or support or matrix)	PGPB, USPT	ADJ	YES		06-25-2011
(inner core same (collagen or (matrix polymer)) same fiber same (collagen or (matrix polymer)) same fiber same core same inner core) same ((collagen or (matrix polymer)) same fiber same core)	PGPB, USPT	ADJ	YES		06-25-2011
(biological cell) same (inner core)	PGPB, USPT	ADJ	YES		06-25-2011
(biological cell same inner core) and (biopolymer or polyglycolate or polylactate or polycapryolactone or hyaluronan or fibronectin or cellulose or chitosan or starch or lactone or galactone same sheath\$8 or cover\$8 or \$6membrane\$9)	PGPB, USPT	ADJ	YES		06-25-2011

(inner core same (collagen or (matrix polymer)) same fiber same (collagen or (matrix polymer)) same fiber same core same inner core same (collagen or (matrix polymer)) same fiber same core) and (mechanical same (tension or stretch or force))	PGPB, USPT	ADJ	YES		06-25-2011
(axon or neuron or (nerve cell) or (neural fibroblast) or (Schwann cell) same inner core) and ((collagen or (matrix polymer)) same fiber same core same inner core)	PGPB, USPT	ADJ	YES		06-25-2011
(axon or neuron or (nerve cell) or (neural fibroblast) or (Schwann cell) same inner core) and ((collagen or (matrix polymer)) same fiber)	PGPB, USPT	ADJ	YES		06-25-2011
(inner core same (collagen or (matrix polymer)) same fiber same (collagen or (matrix polymer)) same fiber same core same inner core same (collagen or (matrix polymer)) same fiber same core and mechanical same (tension or stretch or force)) and (axon or neuron or (nerve cell) or (neural fibroblast) or (Schwann cell) same inner core and (collagen or (matrix polymer)) same fiber same core same inner core)	PGPB, USPT	ADJ	YES		06-25-2011
(inner core same (collagen or (matrix polymer)) same fiber same (collagen or (matrix polymer)) same fiber same core same inner core same (collagen or (matrix polymer)) same fiber same core and mechanical same (tension or stretch or force) and axon or neuron or (nerve cell) or (neural fibroblast) or (Schwann cell) same inner core and (collagen or (matrix polymer)) same fiber same core same inner core) and (axon or neuron or (nerve cell) or (neural fibroblast) or (Schwann cell) same inner core and (collagen or (matrix polymer)) same fiber)	PGPB, USPT	ADJ	YES		06-25-2011
((tissue growth) same guide) and (biopolymer or polyglycolate or polylactate or polycapryolactone or hyaluronan or fibronectin or cellulose or chitosan or starch or lactone or galactone)	PGPB, USPT	ADJ	YES		06-25-2011
((tissue growth) same guide and biopolymer or polyglycolate or polylactate or polycapryolactone or hyaluronan or fibronectin or cellulose or chitosan or starch or lactone or galactone) and ((collagen or (matrix polymer)) same fiber)	PGPB, USPT	ADJ	YES		06-25-2011
((tissue growth) same guide and biopolymer or polyglycolate or polylactate or polycapryolactone or hyaluronan or fibronectin or cellulose or chitosan or starch or lactone or galactone and (collagen or (matrix polymer)) same fiber) and (core)	PGPB, USPT	ADJ	YES		06-25-2011

((tissue growth) same guide and biopolymer or polyglycolate or polylactate or polycapryolactone or hyaluronan or fibronectin or cellulose or chitosan or starch or lactone or galactone and (collagen or (matrix polymer)) same fiber and core) and (sheath\$8 or cover\$8 or \$6membrane\$9)	PGPB, USPT	ADJ	YES		06-25-2011
((tissue growth) same guide and biopolymer or polyglycolate or polylactate or polycapryolactone or hyaluronan or fibronectin or cellulose or chitosan or starch or lactone or galactone and (collagen or (matrix polymer)) same fiber and core and sheath\$8 or cover\$8 or \$6membrane\$9) and (mechanical same (tension or stretch or force))	PGPB, USPT	ADJ	YES		06-25-2011
((tissue growth) same guide and biopolymer or polyglycolate or polylactate or polycapryolactone or hyaluronan or fibronectin or cellulose or chitosan or starch or lactone or galactone and (collagen or (matrix polymer)) same fiber and core and sheath\$8 or cover\$8 or \$6membrane\$9 and mechanical same (tension or stretch or force)) and (scaffold or support or matrix)	PGPB, USPT	ADJ	YES		06-25-2011
((tissue growth) same guide and biopolymer or polyglycolate or polylactate or polycapryolactone or hyaluronan or fibronectin or cellulose or chitosan or starch or lactone or galactone and (collagen or (matrix polymer)) same fiber and core and sheath\$8 or cover\$8 or \$6membrane\$9 and mechanical same (tension or stretch or force) and scaffold or support or matrix) and (implant)	PGPB, USPT	ADJ	YES		06-25-2011
((tissue growth) same guide and biopolymer or polyglycolate or polylactate or polycapryolactone or hyaluronan or fibronectin or cellulose or chitosan or starch or lactone or galactone and (collagen or (matrix polymer)) same fiber and core and sheath\$8 or cover\$8 or \$6membrane\$9 and mechanical same (tension or stretch or force) and scaffold or support or matrix and implant) and ((mechanical or chemical) same (fix\$8 or immobiliz\$8 or attach\$8 or engage\$9))	PGPB, USPT	ADJ	YES		06-25-2011
((tissue growth) same guide and biopolymer or polyglycolate or polylactate or polycapryolactone or hyaluronan or fibronectin or cellulose or chitosan or starch or lactone or galactone and (collagen or (matrix polymer)) same fiber and core and sheath\$8 or cover\$8 or \$6membrane\$9 and mechanical same (tension or stretch or force) and scaffold or support or matrix and implant and (mechanical or chemical) same (fix\$8 or immobiliz\$8 or attach\$8 or engage\$9)) and ((cell or fiber) same alignment)	PGPB, USPT	ADJ	YES		06-25-2011

<p>((tissue growth) same guide and biopolymer or polyglycolate or polylactate or polycapryolactone or hyaluronan or fibronectin or cellulose or chitosan or starch or lactone or galactone and (collagen or (matrix polymer)) same fiber and core and sheath\$8 or cover\$8 or \$6membrane\$9 and mechanical same (tension or stretch or force) and scaffold or support or matrix and implant and (mechanical or chemical) same (fix\$8 or immobiliz\$8 or attach\$8 or engage\$9) and (cell or fiber) same alignment) and (inner core)</p>	PGPB, USPT	ADJ	YES		06-25-2011
<p>((tissue growth) same guide and biopolymer or polyglycolate or polylactate or polycapryolactone or hyaluronan or fibronectin or cellulose or chitosan or starch or lactone or galactone and (collagen or (matrix polymer)) same fiber and core and sheath\$8 or cover\$8 or \$6membrane\$9 and mechanical same (tension or stretch or force) and scaffold or support or matrix and implant and (mechanical or chemical) same (fix\$8 or immobiliz\$8 or attach\$8 or engage\$9) and (cell or fiber) same alignment and inner core) and ((entry or exit) same (holes or opening\$ or ports or pores))</p>	PGPB, USPT	ADJ	YES		06-25-2011
<p>((tissue growth) same guide and biopolymer or polyglycolate or polylactate or polycapryolactone or hyaluronan or fibronectin or cellulose or chitosan or starch or lactone or galactone and (collagen or (matrix polymer)) same fiber and core and sheath\$8 or cover\$8 or \$6membrane\$9 and mechanical same (tension or stretch or force) and scaffold or support or matrix and implant and (mechanical or chemical) same (fix\$8 or immobiliz\$8 or attach\$8 or engage\$9) and (cell or fiber) same alignment and inner core and (entry or exit) same (holes or opening\$ or ports or pores)) and ((tissue same (neuronal or nerve)) same (growth or repair or reconstruct\$7))</p>	PGPB, USPT	ADJ	YES		06-25-2011
<p>((tissue growth) same guide and biopolymer or polyglycolate or polylactate or polycapryolactone or hyaluronan or fibronectin or cellulose or chitosan or starch or lactone or galactone and (collagen or (matrix polymer)) same fiber and core and sheath\$8 or cover\$8 or \$6membrane\$9 and mechanical same (tension or stretch or force) and scaffold or support or matrix and implant and (mechanical or chemical) same (fix\$8 or immobiliz\$8 or attach\$8 or engage\$9) and (cell or fiber) same alignment and inner core and (entry or exit) same (holes or opening\$ or ports or pores) and (tissue same (neuronal or nerve)) same (growth or repair or reconstruct\$7)) and (((tissue same (neuronal or nerve)) same (growth or repair or reconstruct\$7)) same (bioreactor or fermenter or vessel or flask or jar))</p>	PGPB, USPT	ADJ	YES		06-25-2011

axon or neuron or (nerve cell) or (neural fibroblast) or (Schwann cell)	USOC, EPAB, JPAB, DWPI	ADJ	YES		06-25-2011
((tissue AND (neuronal or nerve)) AND (growth or repair or reconstruct\$7)) AND (bioreactor or fermenter or vessel or flask or jar)	USOC, EPAB, JPAB, DWPI	ADJ	YES		06-25-2011
(tissue AND (neuronal or nerve)) AND(growth or repair or reconstruct\$7)	USOC, EPAB, JPAB, DWPI	ADJ	YES		06-25-2011
((tissue growth) AND guide) OR SCAFFOLD OR IMPLANT OR DEVICE OR SUPPORT OR MATRIX	USOC, EPAB, JPAB, DWPI	ADJ	YES		06-25-2011
((((tissue AND (neuronal or nerve)) AND (growth or repair or reconstruct\$7)) AND (bioreactor or fermenter or vessel or flask or jar)) OR (((tissue growth) AND guide) OR SCAFFOLD OR IMPLANT OR DEVICE OR SUPPORT OR MATRIX)) AND (CORE AND (collagen or (matrix polymer)) AND fiber)	USOC, EPAB, JPAB, DWPI	ADJ	YES		06-25-2011
(((((tissue AND (neuronal or nerve)) AND (growth or repair or reconstruct\$7)) AND (bioreactor or fermenter or vessel or flask or jar) OR ((tissue growth) AND guide) OR SCAFFOLD OR IMPLANT OR DEVICE OR SUPPORT OR MATRIX) AND (CORE AND (collagen or (matrix polymer)) AND fiber)) AND (axon or neuron or (nerve cell) or (neural fibroblast) or (Schwann cell))	USOC, EPAB, JPAB, DWPI	ADJ	YES		06-25-2011
(entry or exit) AND (holes or opening\$ or ports or pores)	USOC, EPAB, JPAB, DWPI	ADJ	YES		06-25-2011
(sheath\$8 or cover\$8 or \$6membrane\$9) AND (biopolymer or polyglycolate or polylactate or polycapryolactone or hyaluronan or fibronectin or cellulose or chitosan or starch or lactone or galactone)	USOC, EPAB, JPAB, DWPI	ADJ	YES		06-25-2011
((sheath\$8 or cover\$8 or \$6membrane\$9) AND (biopolymer or polyglycolate or polylactate or polycapryolactone or hyaluronan or fibronectin or cellulose or chitosan or starch or lactone or galactone)) AND (((tissue AND (neuronal or nerve)) AND (growth or repair or reconstruct\$7)) AND (bioreactor or fermenter or vessel or flask or jar) OR ((tissue growth) AND guide) OR SCAFFOLD OR IMPLANT OR	USOC, EPAB, JPAB, DWPI	ADJ	YES		06-25-2011

DEVICE OR SUPPORT OR MATRIX) AND (CORE AND (collagen or (matrix polymer)) AND fiber) AND axon or neuron or (nerve cell) or (neural fibroblast) or (Schwann cell))					
((sheath\$8 or cover\$8 or \$6membrane\$9) AND (biopolymer or polyglycolate or polylactate or polycapryolactone or hyaluronan or fibronectin or cellulose or chitosan or starch or lactone or galactone) AND (((tissue AND (neuronal or nerve)) AND (growth or repair or reconstruct\$7)) AND (bioreactor or fermenter or vessel or flask or jar) OR ((tissue growth) AND guide) OR SCAFFOLD OR IMPLANT OR DEVICE OR SUPPORT OR MATRIX) AND (CORE AND (collagen or (matrix polymer)) AND fiber) AND axon or neuron or (nerve cell) or (neural fibroblast) or (Schwann cell)) AND ((entry or exit) AND (holes or opening\$ or ports or pores))	USOC, EPAB, JPAB, DWPI	ADJ	YES		06-25-2011
(mechanical or chemical) AND(fix\$8 or immobiliz\$8 or attach\$8 or engage\$9)	USOC, EPAB, JPAB, DWPI	ADJ	YES		06-25-2011
((mechanical or chemical) AND(fix\$8 or immobiliz\$8 or attach\$8 or engage\$9)) AND ((sheath\$8 or cover\$8 or \$6membrane\$9) AND (biopolymer or polyglycolate or polylactate or polycapryolactone or hyaluronan or fibronectin or cellulose or chitosan or starch or lactone or galactone) AND (((tissue AND (neuronal or nerve)) AND (growth or repair or reconstruct\$7)) AND (bioreactor or fermenter or vessel or flask or jar) OR ((tissue growth) AND guide) OR SCAFFOLD OR IMPLANT OR DEVICE OR SUPPORT OR MATRIX) AND (CORE AND (collagen or (matrix polymer)) AND fiber) AND axon or neuron or (nerve cell) or (neural fibroblast) or (Schwann cell))	USOC, EPAB, JPAB, DWPI	ADJ	YES		06-25-2011
mechanical AND (tension or stretch or force)	USOC, EPAB, JPAB, DWPI	ADJ	YES		06-25-2011
(mechanical AND (tension or stretch or force)) AND (((tissue AND (neuronal or nerve)) AND (growth or repair or reconstruct\$7)) AND (bioreactor or fermenter or vessel or flask or jar) OR ((tissue growth) AND guide) OR SCAFFOLD OR IMPLANT OR DEVICE OR SUPPORT OR MATRIX) AND (CORE AND (collagen or (matrix polymer)) AND fiber) AND axon or neuron or (nerve cell) or (neural fibroblast) or (Schwann cell))	USOC, EPAB, JPAB, DWPI	ADJ	YES		06-25-2011

((mechanical AND (tension or stretch or force) AND (((tissue AND (neuronal or nerve)) AND (growth or repair or reconstruct\$7)) AND (bioreactor or fermenter or vessel or flask or jar) OR ((tissue growth) AND guide) OR SCAFFOLD OR IMPLANT OR DEVICE OR SUPPORT OR MATRIX) AND (CORE AND (collagen or (matrix polymer)) AND fiber) AND axon or neuron or (nerve cell) or (neural fibroblast) or (Schwann cell)) OR ((mechanical or chemical) AND (fix\$8 or immobiliz\$8 or attach\$8 or engage\$9) AND (sheath\$8 or cover\$8 or \$6membrane\$9) AND (biopolymer or polyglycolate or polylactate or polycapryolactone or hyaluronan or fibronectin or cellulose or chitosan or starch or lactone or galactone) AND ((tissue AND (neuronal or nerve)) AND (growth or repair or reconstruct\$7)) AND (bioreactor or fermenter or vessel or flask or jar) OR ((tissue growth) AND guide) OR SCAFFOLD OR IMPLANT OR DEVICE OR SUPPORT OR MATRIX) AND (CORE AND (collagen or (matrix polymer)) AND fiber) AND axon or neuron or (nerve cell) or (neural fibroblast) or (Schwann cell))) AND ((tissue AND (neuronal or nerve)) AND (growth or repair or reconstruct\$7))	USOC, EPAB, JPAB, DWPI	ADJ	YES		06-25-2011
5756350.PN.	PGPB, USPT	ADJ	YES		06-25-2011
6174333.PN.	PGPB, USPT	ADJ	YES		06-25-2011
6171610.PN.	PGPB, USPT	ADJ	YES		06-25-2011
(biopolymer or polyglycolate or polylactate or polycapryolactone or hyaluronan or fibronectin or cellulose or chitosan or starch or lactone or galactone) OR ((collagen or (matrix polymer)) same fiber) OR (sheath\$8 or cover\$8 or \$6membrane\$9)	PGPB, USPT	ADJ	YES		06-25-2011